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LINK-BELT SILENT CHAIN

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Link-belt silent chain for the efficient

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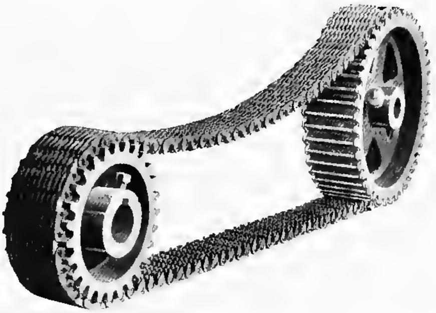
Link-Belt
Silent Chain

for the

Efficient Transmission of Power



Book No. 125

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LINK-BELT COMPANY

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Flexible as a Belt—Positive as a Gear
More Efficient than either

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Announcement

LINK-BELT Silent Chain through years of successful application has demonstrated its value as an efficient medium for the transmission of power.

Over 200,000 installations have been drawn on for the information which this catalog contains, and which is presented for the first time in such form that engineers and users of power may select their own drives and determine their cost.

Our Engineering Department is at the service of our clients, and is prepared to give further information, or to check up such calculations as may be referred to us. The data-forms contained herein will present the facts in such a way as to render checking-up easy whenever it should be requested.

List Prices only are given in this book. Discount sheets will be sent on application.

Link-Belt Company

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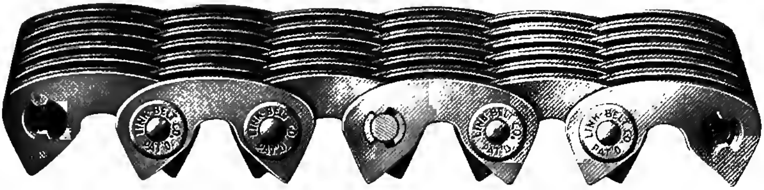


Link-Belt Silent Chain

Flexible as a Belt—Positive as a Gear
More Efficient than either

The Chain consists of a series of leaves or plates connected by joints which consist of segmental case-hardened liners or bushings, and case-hardened steel pins.

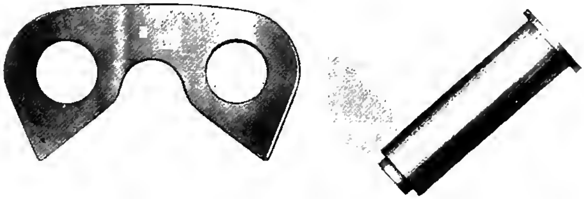
The broached holes in the heads of the links are of a form which provides a lock grip for their own bushings, and a clearance space for the bushings of adjacent pitches.

The best grades of steel for the various parts of the chain, and the proper relative hardening and heat-treating, have been determined by many carefully conducted experiments, supplemented by an extensive practical experience. The utmost care is exercised to secure uniformity and great accuracy in the chain parts.

The Wheels are properly designed, and the teeth carefully cut by an accurately generated cutter. The larger wheels are usually made of cast-iron, and the pinions of steel.

The Plain Pin Joint

Discarded in 1904.

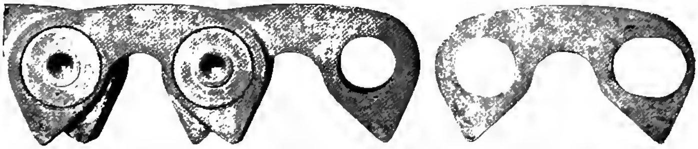


The Link-Belt Company acquired the American rights under patents originating in England covering the form of chain known as silent chain, and first introduced it in America in 1900.

The English type chain consisted of leaf links having the same *general appearance* as our present Link-Belt Silent Chain, but its construction brought the pin in direct contact with the holes in the separate leaves.

The weakness of this construction was manifested by rapid wear between the individual leaves and the pin, as shown in the illustration at the bottom of the page, which neither case-hardening nor copious lubrication were sufficient to overcome.

We therefore abandoned the use of the plain pin type chain in 1904—after four years' experience had proved its unreliability—and introduced our present silent chain described on the following page.

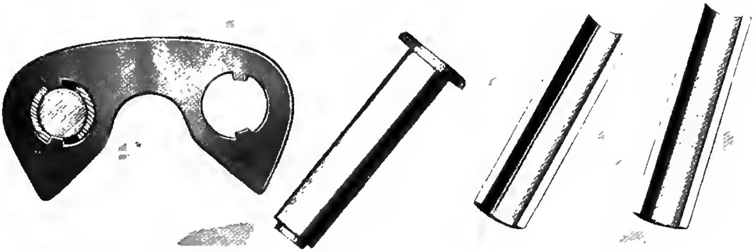


Our reason for discarding the plain pin joint.

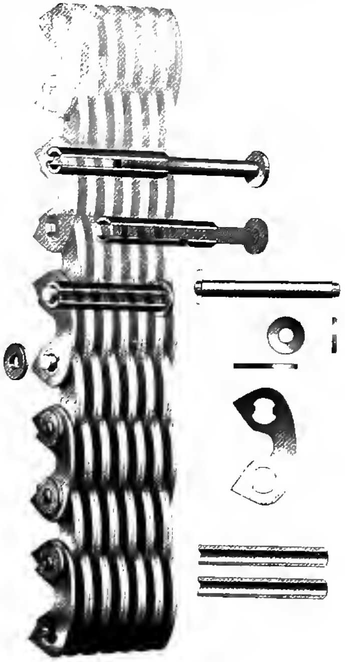
Rapid enlargement of the holes of the links. This illustration was made from an actual photograph.

Our Present Joint

In use since 1904.

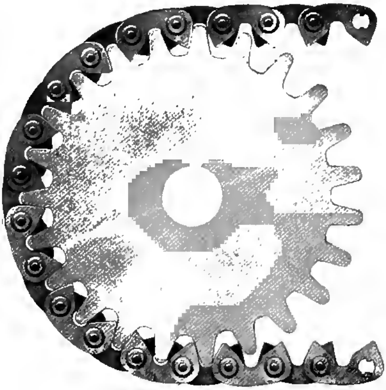


The success of the Link-Belt Silent Chain is due to the superiority of its joint construction. The segmental liners or bushings, which are removable, extend across the entire width of the chain, thus doubling the bearing surface and halving the bearing pressure on the joint. The bushings are case-hardened, and bear upon the case-hardened pin. The latter is free to, and does rotate with reference to the bushings and presents every particle of its surface for wear. As a result it wears uniformly, keeps round, and the chain maintains to the end its high initial efficiency.



The bushed joint of Link-Belt Silent Chain.

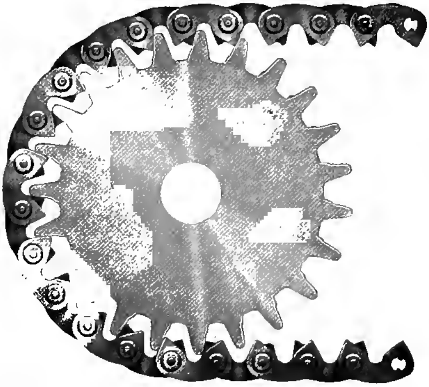
Patented May 4, 1904.



The Perfect Fit of Link-Belt Silent Chain on wheel.

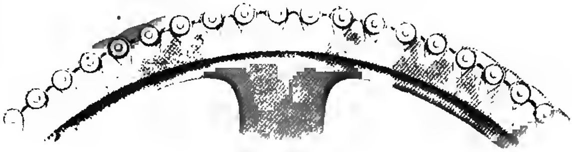
The first illustration shows how each link folds itself gently against its corresponding tooth, and how each tooth is in perfect working contact with the chain. Once seated, there is no further action until the link releases itself from contact at the leaving side of the wheel. Both engagements and disengagements are made gently, without jar or shock.

This accounts for the smooth running—the almost noiseless action—in which it vies with the belt or rope—and yet the toothed engagement means positive transmission without slip or loss.

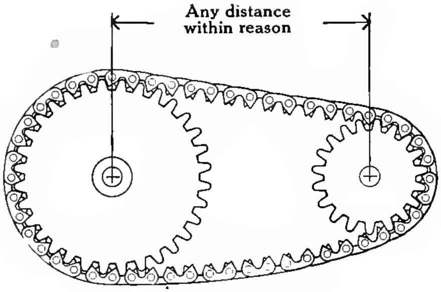


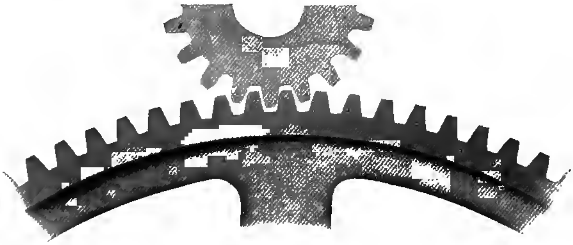
The shape of the links and teeth permits radial adjustment, which automatically takes care of any ordinary lengthening of pitch from wear, as shown.

These illustrations show why Link-Belt Silent Chain works more smoothly than Spur Gears.

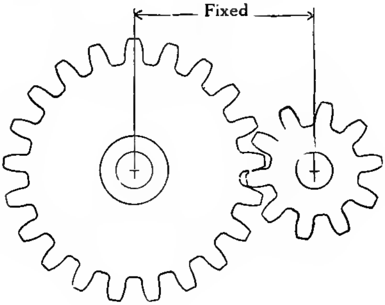


In the Link-Belt Silent Chain Drive the work is distributed equally among *all* the teeth in play.

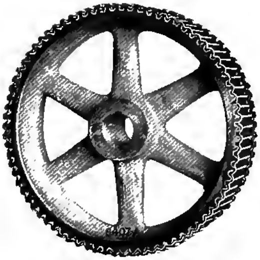




In the spur gear a single tooth at a time does all the work.



Wheel Flanges



Wire-flanged
Driven Wheel

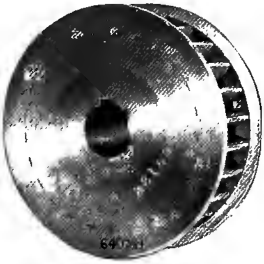


Plate-flanged
Driven Wheel

All Chain Drives of the silent type must be provided with some form of guide or retainer to insure their keeping on the wheels when running. We have adopted a wide-faced unflanged driving wheel and a double flanged driven wheel as our standard practice. Therefore, when guiding is necessary it is done on the slack or entering side of the wheel where the least wear results.

If the retainer were carried on the chain, it would be either at the sides, spanning the teeth of the wheels and adding width and weight to the chain without providing corresponding tooth bearing surface; or at an intermediate or central part of the chain, requiring a corresponding groove cut in each wheel, thereby reducing the tooth bearing surface.

In either case there is no provision for the additional clearance between chain and wheels which is so necessary when the guiding is to be done with little or no wear on the flanges or retainers. This is particularly true in drives where there is end play or movement in the shaft, as in the case of motors, where the guiding is liable to be done as the chain engages with the driving wheel under strain, with a consequent grinding and wearing action on the side of the retainer.

Thorough tests and extensive experience have demonstrated beyond a doubt that our standard practice of using the retainers on the sides of the driven wheel, is in every respect the most satisfactory arrangement.

Link-Belt Silent Chain Drives

Show highest sustained efficiency of all mediums for the transmission of power (98.2% on actual test).

Can be run at relatively high speeds.
Will run in either direction.
Are not affected by heat, cold or moisture.
Will transmit any amount of power.
Give a positive velocity ratio.
Can be used on short or long centers.
Reduce journal friction to a minimum.
Action remains perfect even after long use.

Link-Belt Silent Chain

Is superior to leather or rubber belting because—

It cannot slip.
It can be run on short centers.
It can be used in hot, cold or damp places.
It is run slack, and therefore without excessive journal friction.
There is no dangerous sparking.
It transmits power with less loss.

It is superior to spur gearing because—

It operates quietly.
It can be run at high speed.
Center distance can be arranged to suit convenience of design.
More teeth are in working contact.
Result: smoother action and less wear.
Self-contained bases are not necessary.

With the same amount of power applied, it delivers more to perform useful work.

It is preferable to direct connection because—

In spite of its positive action, it introduces that very important element, elasticity.

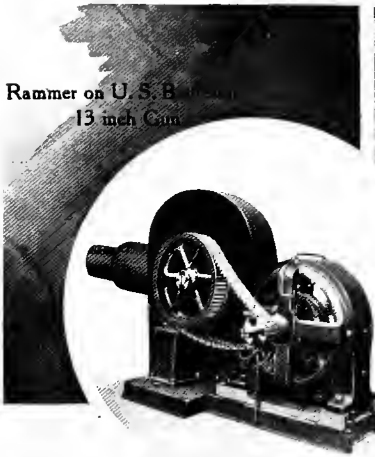
Standard-speed motors may be used, to operate mechanisms at most desirable rate.

Alteration in speed can be made at little expense.

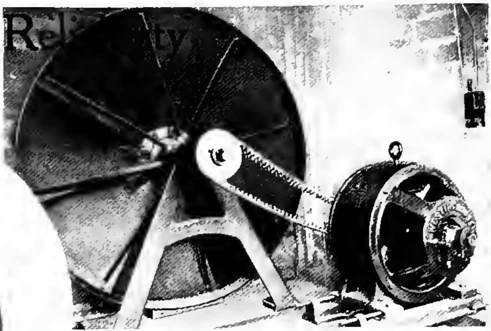
Self-contained bases are not necessary.

It offers greater economy and flexibility in the use of floor space.

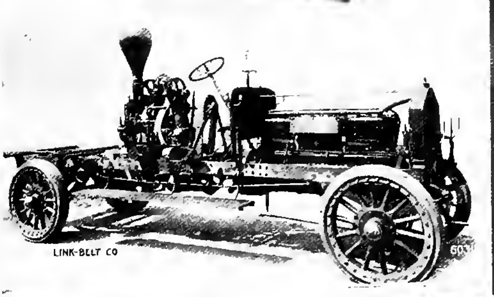
Reliability



Rammer on U. S. Battleship
13 inch Gun

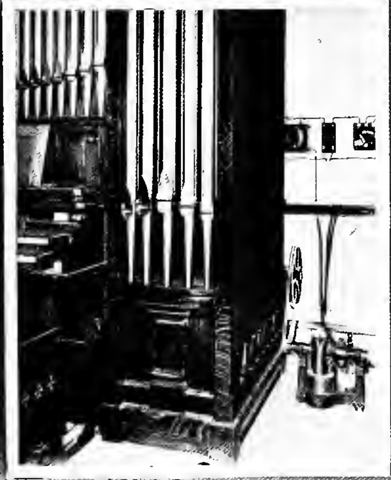


20-H. P. Mine Fan Drive

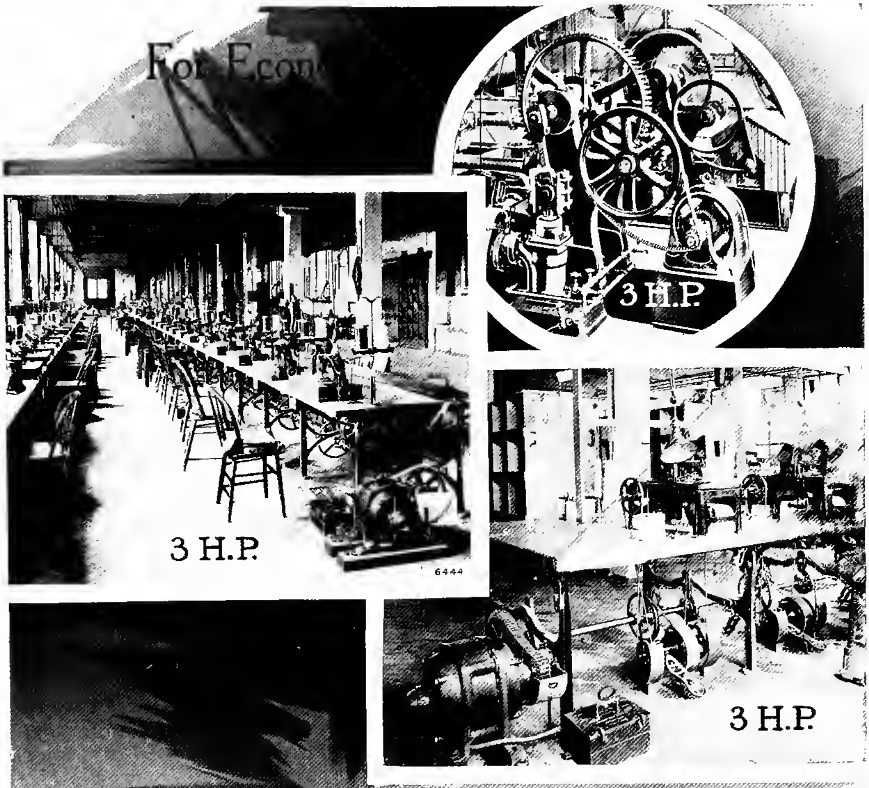


Pump
Drive on
Fire Engine

For Quietness

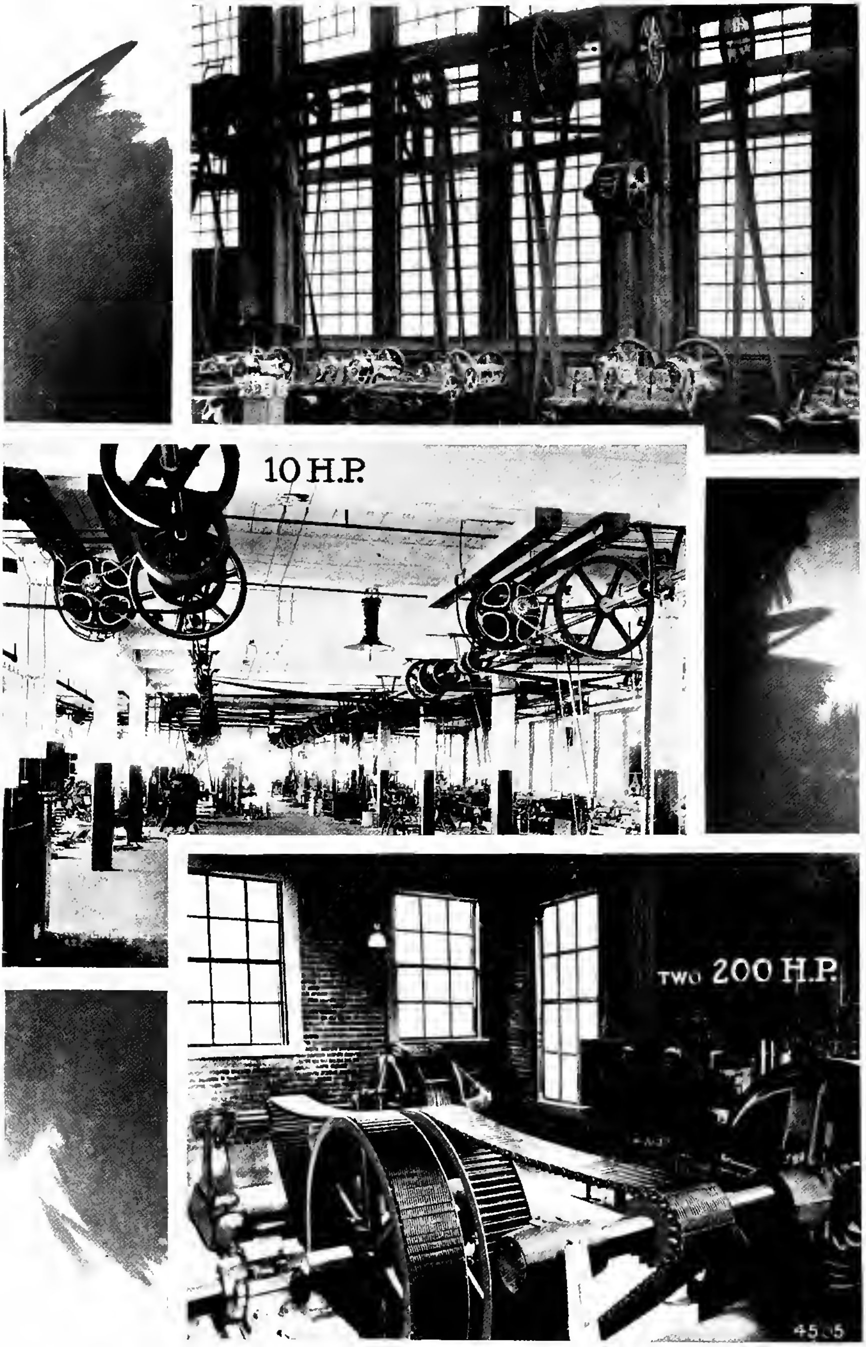


¼-H. P. Drive operating
Church Organ



For Continuous Service and Heavy Duty

325 H. P. Double Strand Link-Belt Silent Chain Drive
Operates Ice Machine


10 H.P.
TWO 200 H.P.
4505

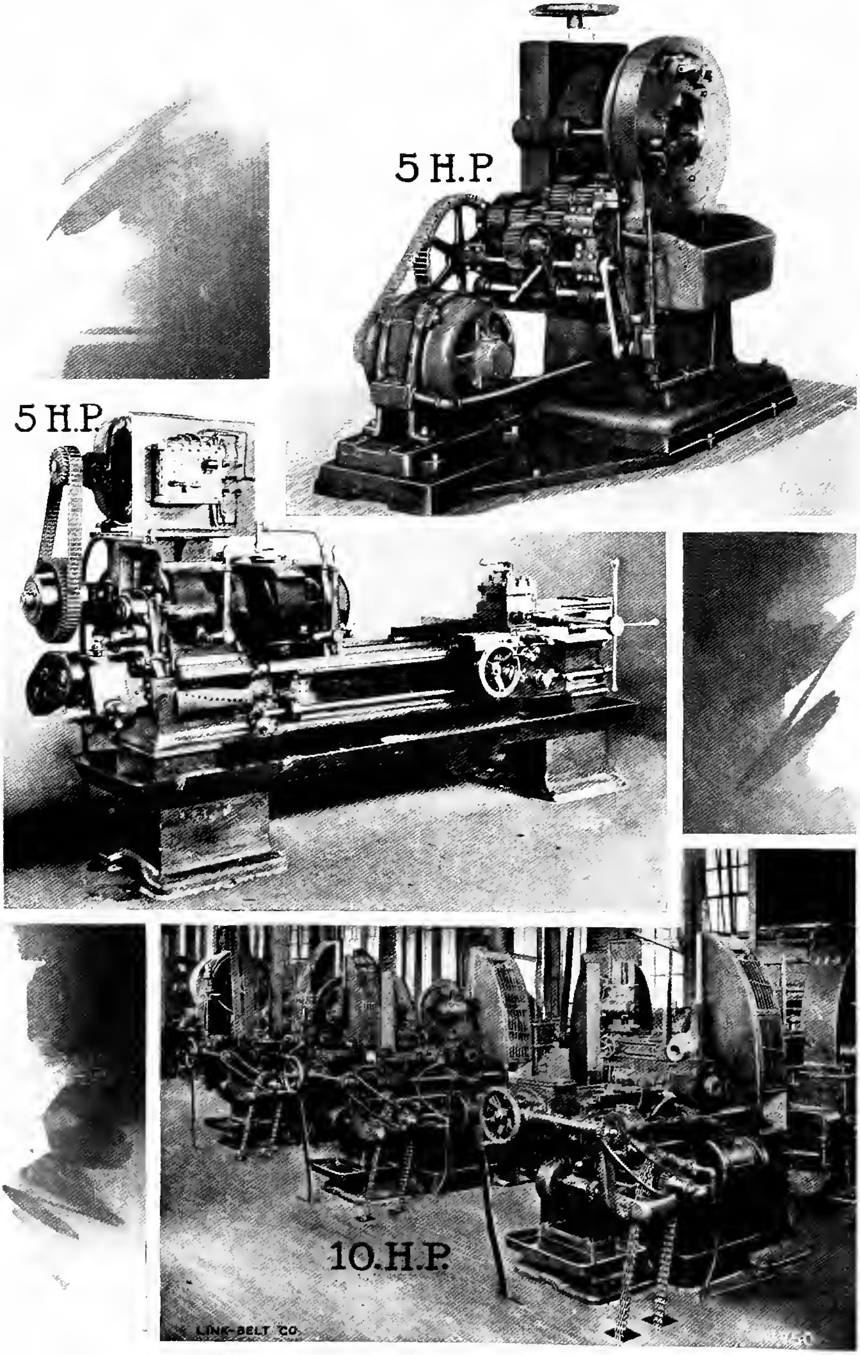
Line and Countershafts

Link-Belt Silent Chain has many distinct advantages for this work, as will be seen by reviewing page 11.

Reliability is the noteworthy factor in favor of the Silent Chain Drive. The only attention required is oiling and this can be taken care of automatically by the use of a casing.

Silent Chains are run slack—the only pull being the power pull which decreases as the load decreases.

The speed of the shafting is sure, and the output can therefore be depended upon.


5 H.P.
5 H.P.
10.H.P.
LINK-BELT CO.

Machine Tool Drives

The driving force through a chain, positive but elastic, is equal at each instant to the force required to do the work at the rate of the feed and speed as set, meeting unflinchingly the requirements as they arise. A steady uniform rate of work is the result. The deflections in the machine parts are held constant, and the tools cut away the metal, as opposed to the tearing and chattering that occur with the shock of high speed gears, or with the creep and slip of leather belts.

Numerous carefully made tests between belt driven and chain driven machines give the following average results in favor of the chain drive—

20% greater output.

20% saving in power.

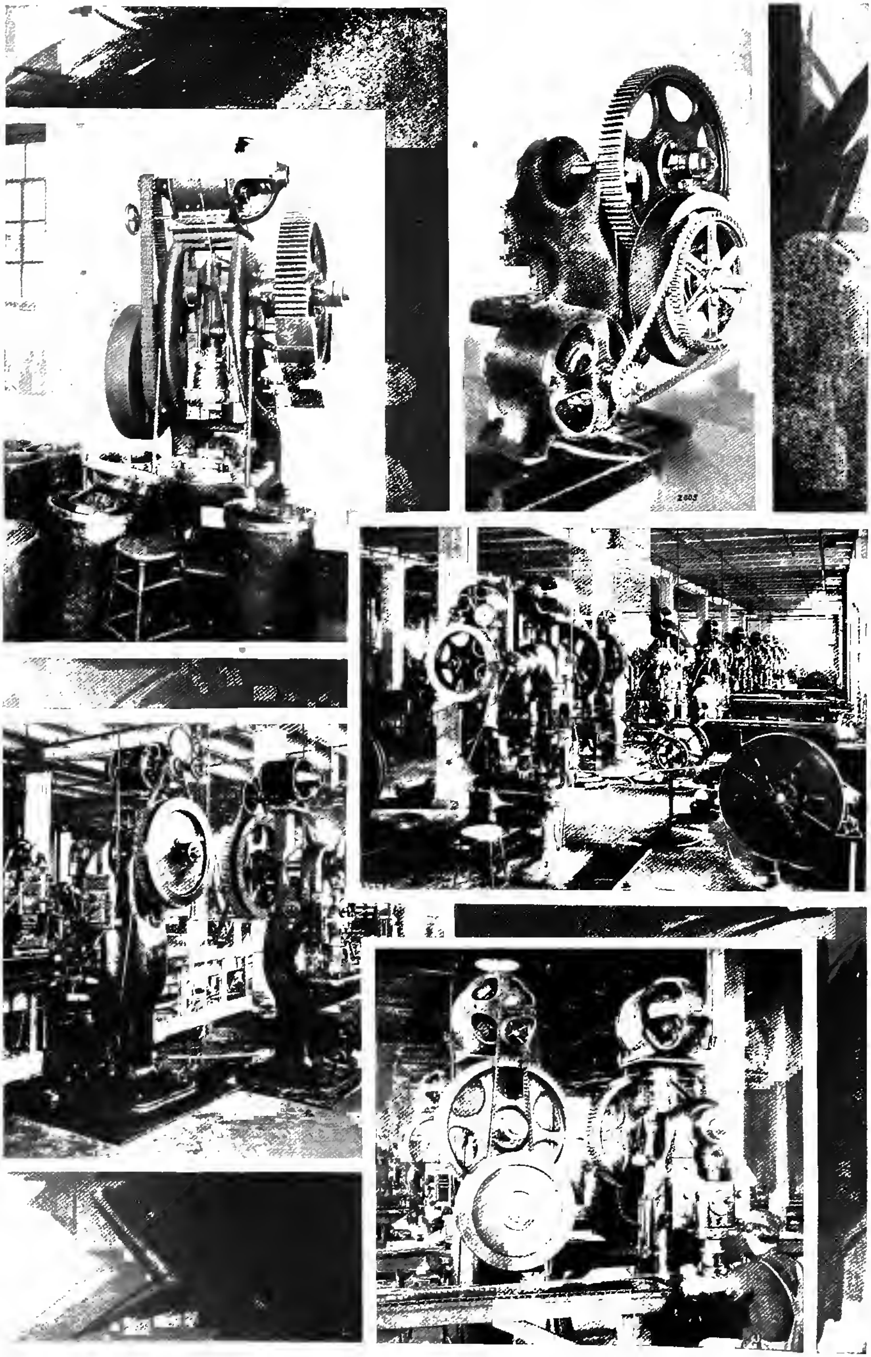
From 4 to 10 times the service is obtained on cutting tools, with the consequent saving in time of operator for grinding, resetting, etc.

Better finish.

Less wear and tear on bearings and other rotating parts.

Larger and heavier work may be done on the same machine.

If machine is not protected from overload by fuse or circuit breakers, breaking pins can often be used to advantage. See page 93.


2805

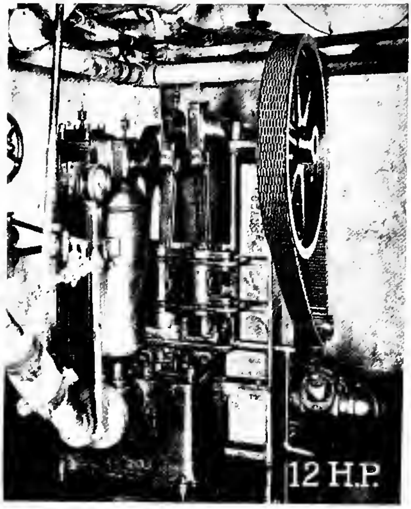
Punch Presses, Shears, Etc.

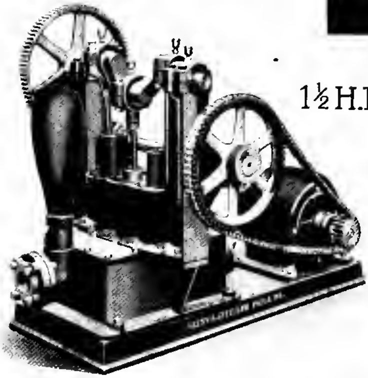
Link-Belt Silent Chain for driving punch presses, shears, and other machines that depend upon the energy of a fly wheel to do their work, has produced vastly superior results on a service to which we at first believed a positive drive hardly applicable. The chain drive is even less severe on the motor armature than a belt drive. With the former the fly wheel is always up to speed at the instant of punching, and its energy can be relied upon to assist the motor. The chain and chain-sag are flexible enough to relieve the motor armature of sharp shock. The overload due to slowing down is of too short a duration to generate objectionable heat. On the contrary, with the belt drive, the belt will often slip just as the punching is completed, and the fly wheel will not pick up speed during the next stroke. The result is an overload on the motor, not high enough to throw the circuit breaker or burn the fuse, but sufficient to make this service particularly severe on motor armatures.

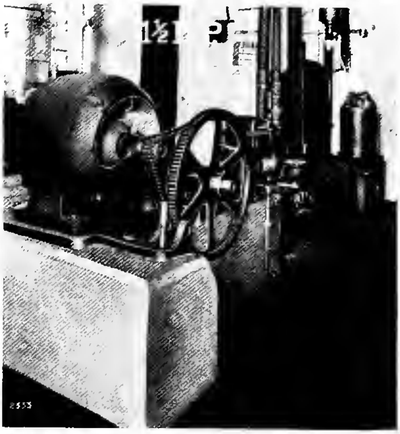
If the press jams with a chain drive, the overload is heavy enough to cause the circuit to be broken immediately through either of these devices. The usual advantages from the positive chain drive are very marked, namely—

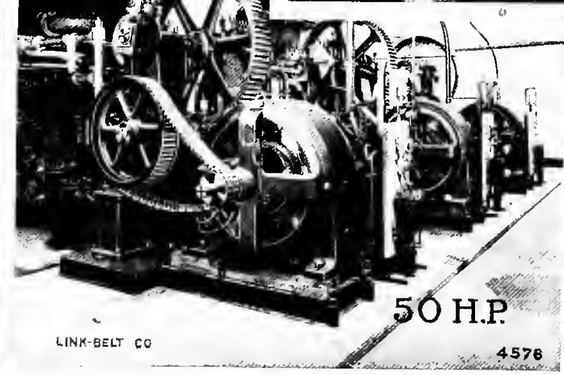
Greater output
Economy of power consumption
Less wear and tear on cutting edges
More uniform product
Less attention for repairs
More dependable equipment

225 H.P.
3266


12 H.P.

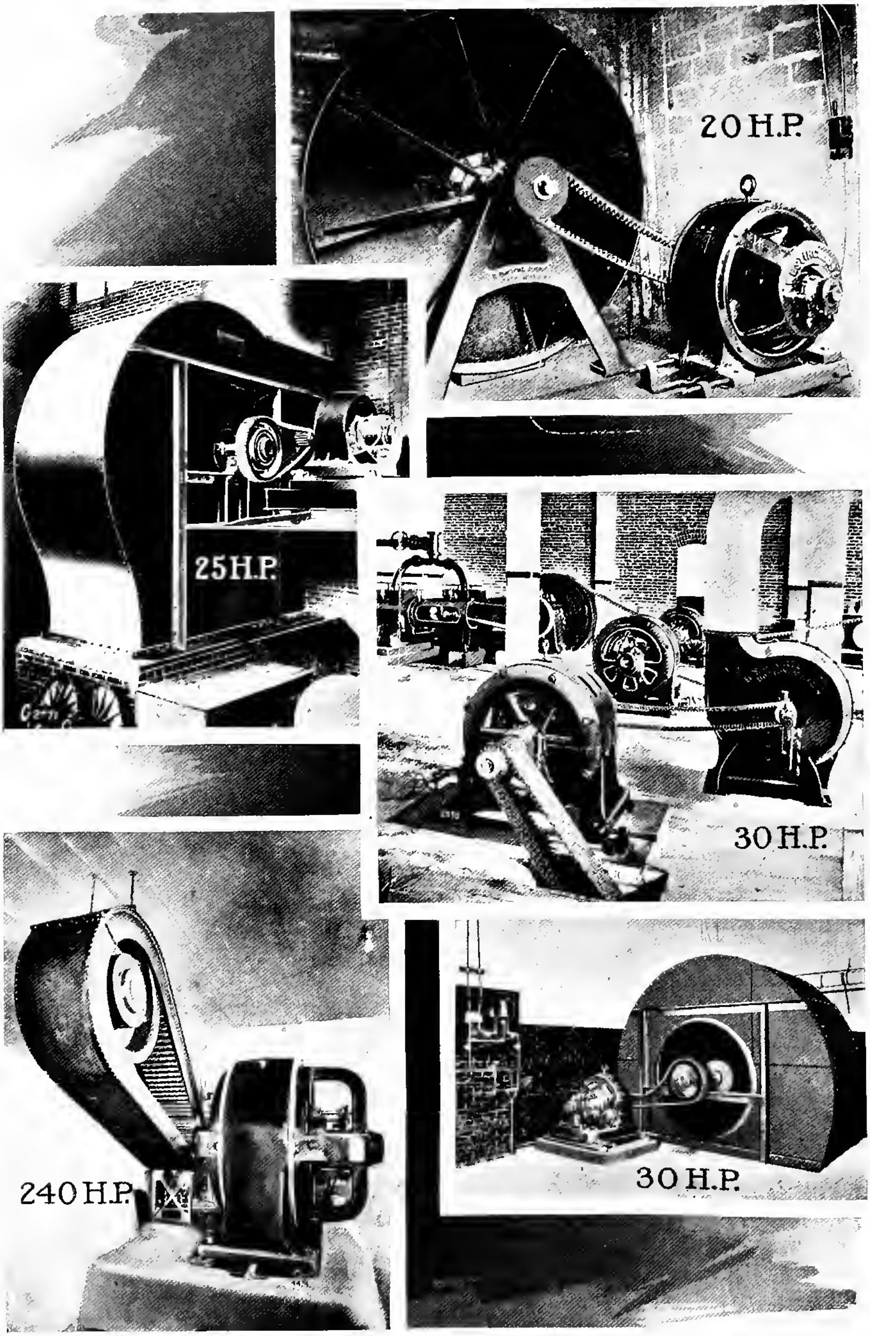

1½ H.P.


1½
2533


50 H.P.
LINK-BELT CO
4576

Pumps

The advantages of silent chain as a power transmitting medium, and the ease and convenience of its application, have brought it into rapidly increasing use for pumps.

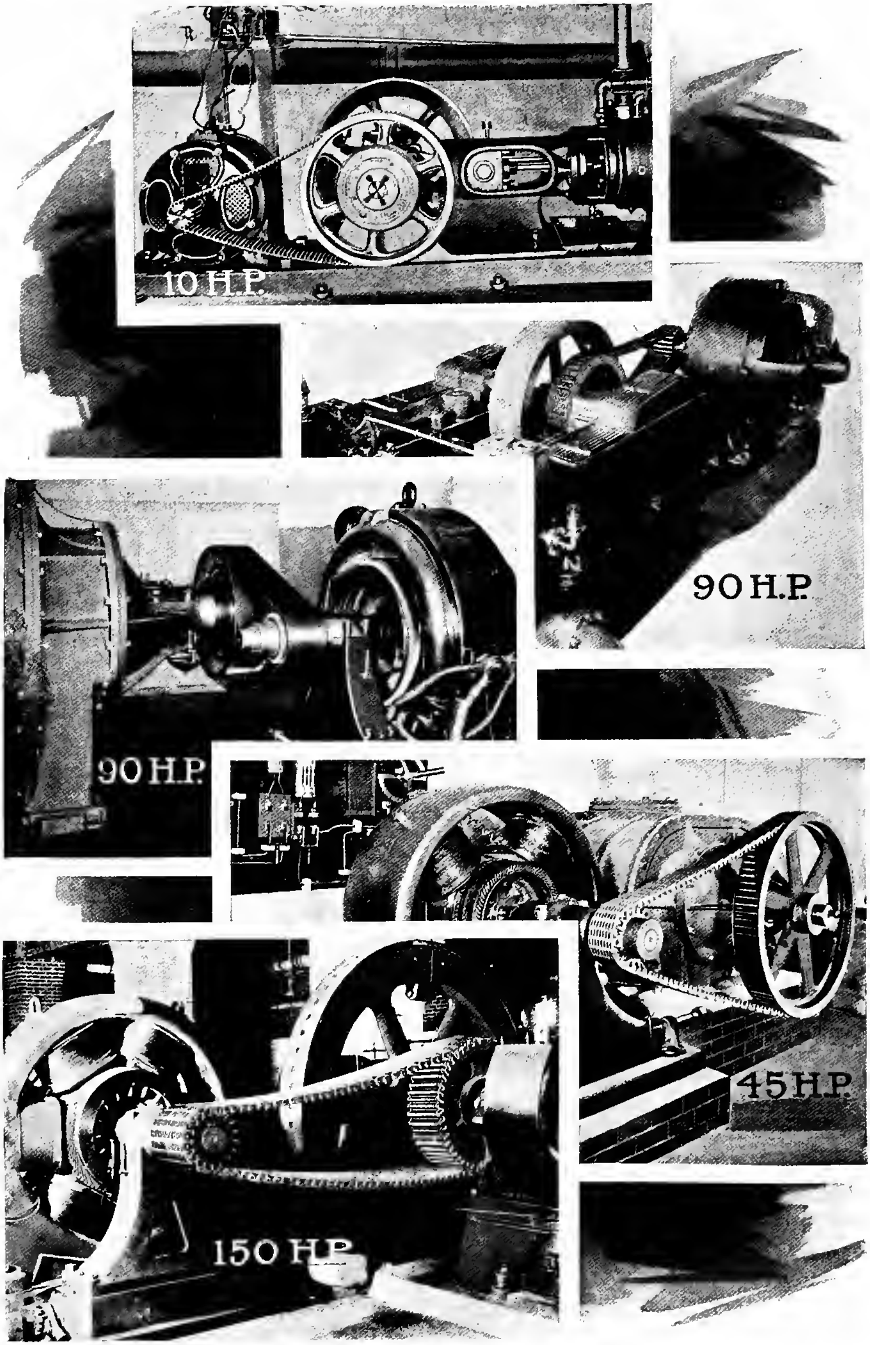

20 H.P.
25 H.P.
30 H.P.
240 H.P.
30 H.P.

Fan Drives

For driving Ventilating and Heating Fans, Link-Belt Silent Chain permits of compact construction, and requires but a minimum of attention.

We have installed many drives for this service which have been in operation for eight years and longer. The only attention they have ever required is periodic oiling. Due to the saving in power alone, these drives usually pay for themselves in a comparatively short period.

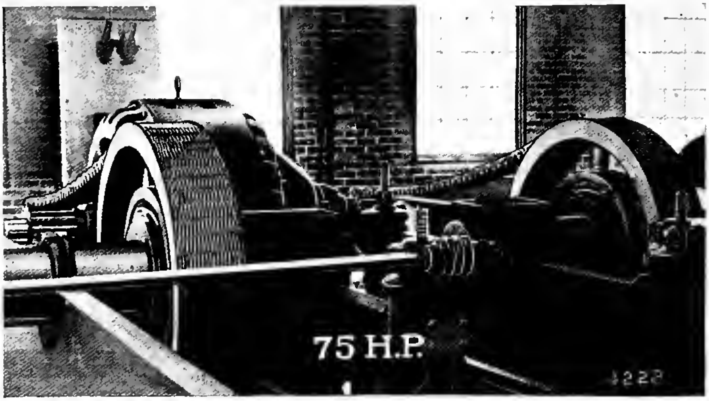
When ventilating fans are installed in theatres, schools, office buildings, etc., the drives should be figured for exceedingly quiet and smooth operation, as sound is often resonated by the sheet metal fan casing, and blown to the rooms above.

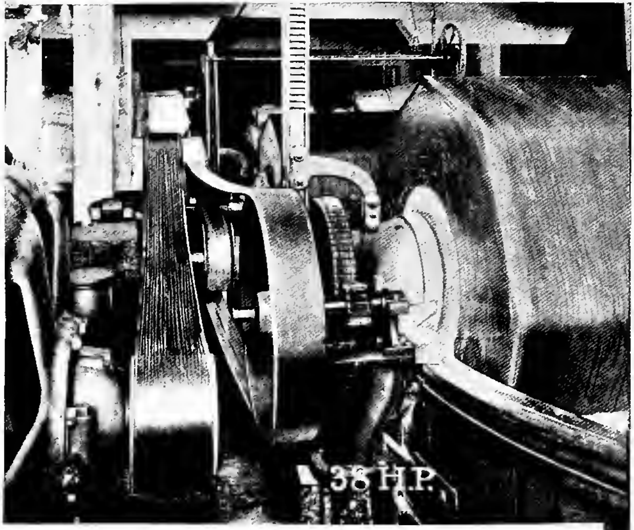

10 H.P.
90 H.P.
90 H.P.
45 H.P.
150 H.P.

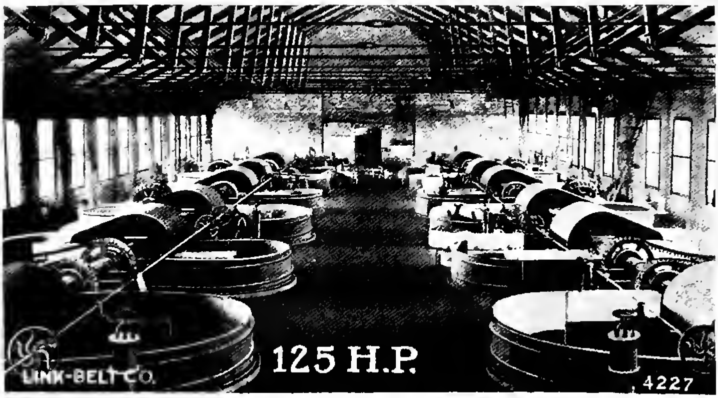
Compressors and Blowers

Link-Belt Silent Chain is peculiarly fitted for the operation of air compressors, positive pressure blowers, and similar machinery. Not only has it demonstrated its own greater durability and economy in power consumption, but there is also noticeably less wear and tear on the motor armature, bearings, and other parts of driving and driven mechanisms. In the first place, there is greatest economy and flexibility in arrangement of floor space, and afterwards high efficiency and thorough reliability.

For this heavy intermittent load service, where the chains are called upon to absorb shock as well as to transmit power, a chain should be selected having a rating from 40% to 50% above the normal power consumption of the machine. If the driven wheel is large in diameter, as compared with the fly wheel of the machine, it is often advantageous to combine the chain sprocket with the fly wheel, or to use an extra heavy rim to assist the fly wheel in producing a smoother operation.

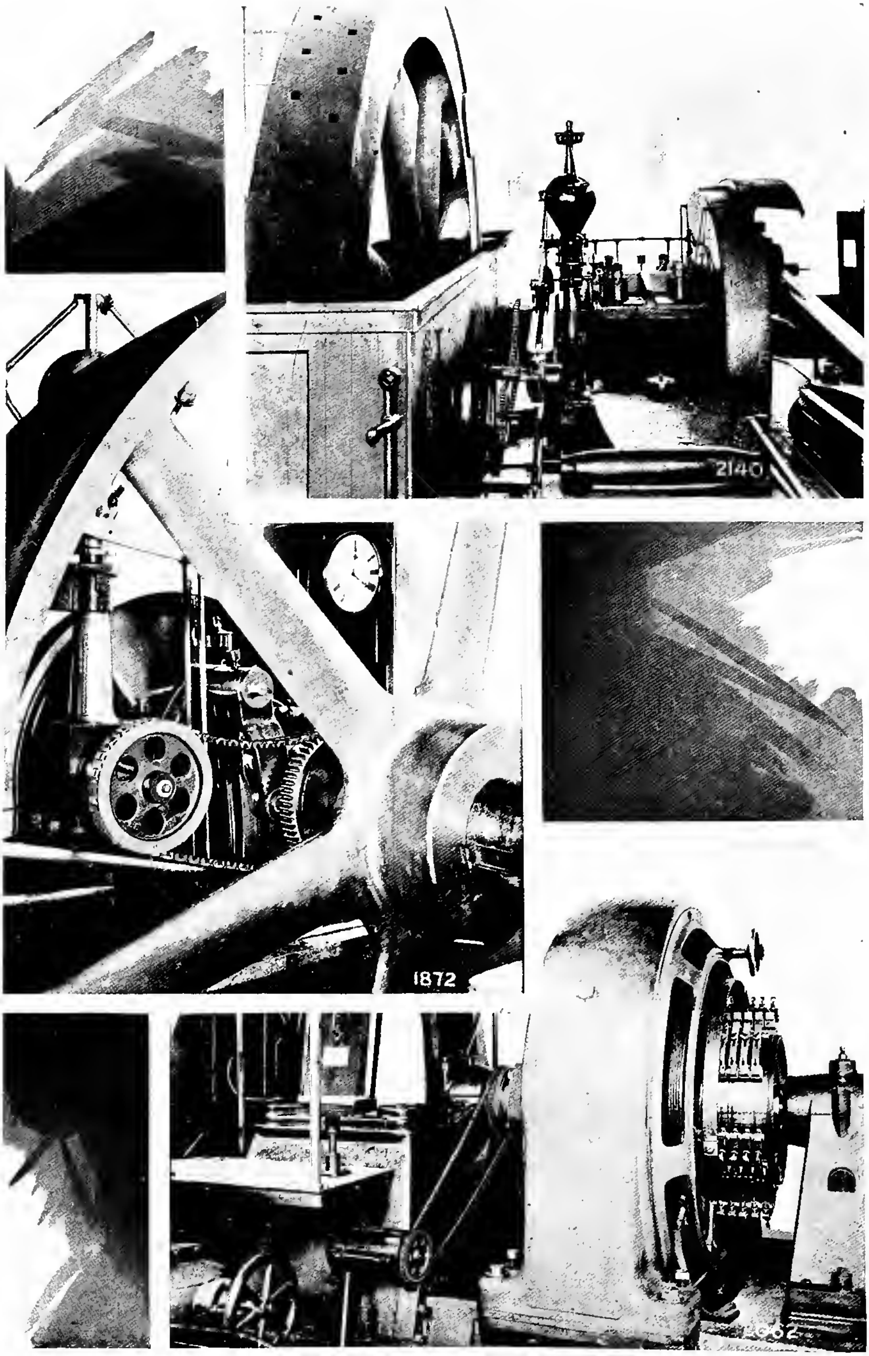

75 H.P.
4222


38 H.P.


LINK-BELT CO.
125 H.P.
4227

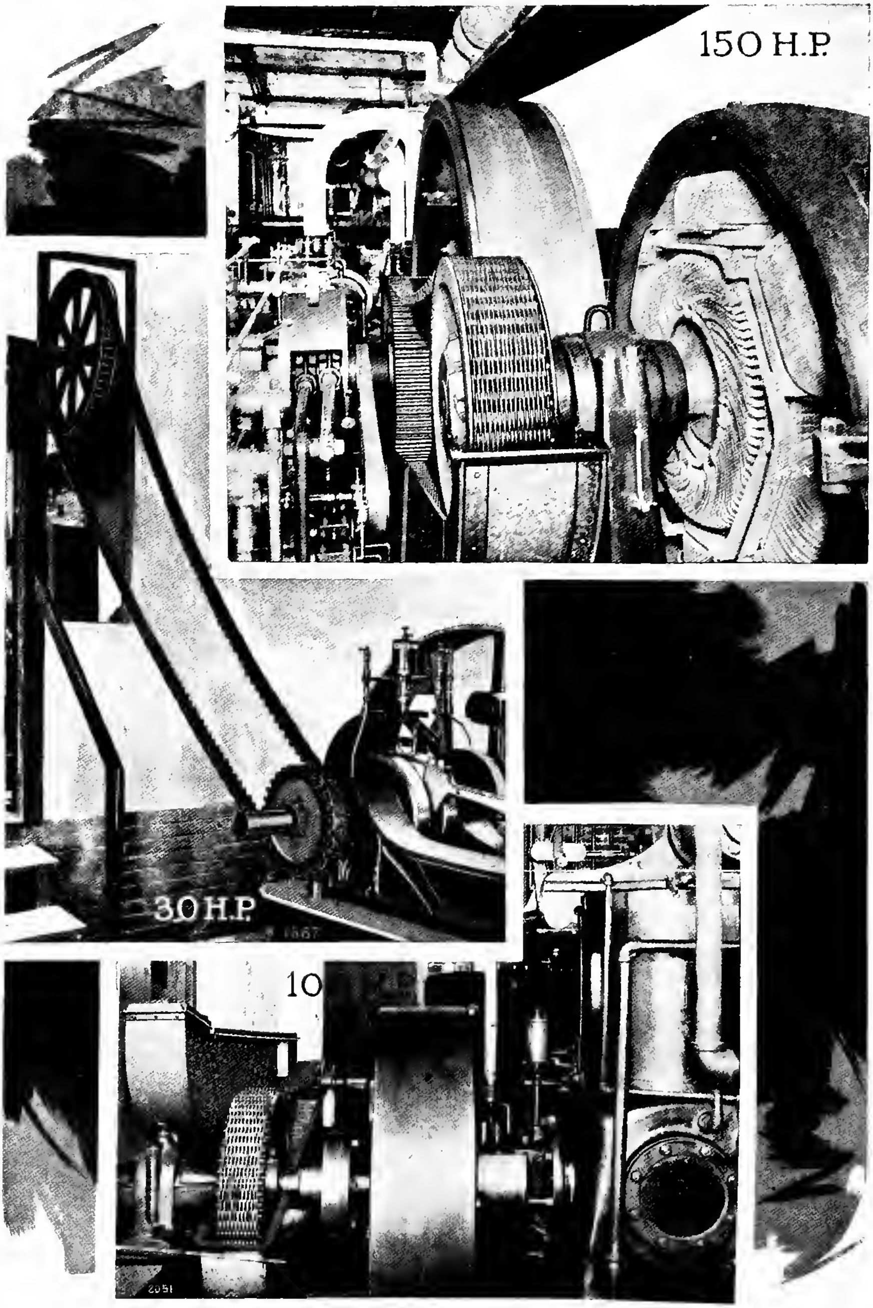
Drives for Paper Mills, Etc.

Link-Belt Silent Chain is the Ideal Drive for Beaters, Washers, Cookers, Calenders and similar machinery in Paper Mills. It has demonstrated its superiority over all other forms of power transmission by years of satisfactory service in this particular work, and it is winning constantly-increasing recognition from Superintendents and Engineers throughout the country.


2140
1872
2062

Governor Drives

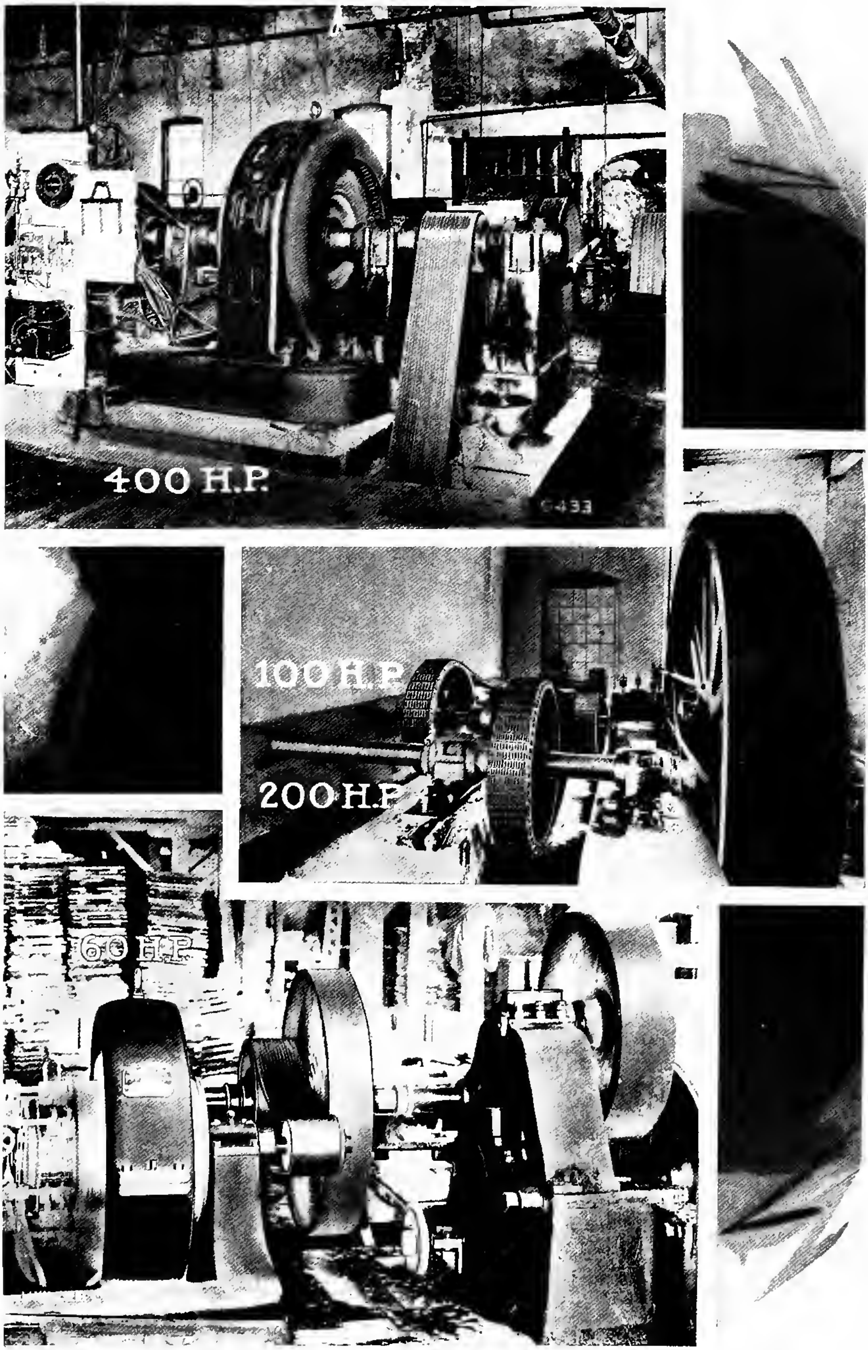
Link-Belt Silent Chain is well suited for driving governors and other steam engine auxiliaries, because of its positive action, uniform speed, and the fact that it is unaffected by heat, cold, moisture, steam or oil.


150 H.P.
30 H.P.
1567
10
2051

Engine Drives

When modernizing equipment in factories having steam power, with belt and pulley-driven lineshafts, there comes a demand for a certain amount of electric power and a corresponding decrease in the consumption from the main line. If the engine is smooth operating (the fly wheel heavy enough to prevent noticeable variations in speed throughout a single revolution) Link-Belt Silent Chain permits of an excellent solution of the problem. With this type of drive almost any available space can be used for a generator. (Note in opposite cut how the generator is placed between the runs of the main drive belt). From such an equipment about 98% efficiency, thorough reliability and long life are obtained.

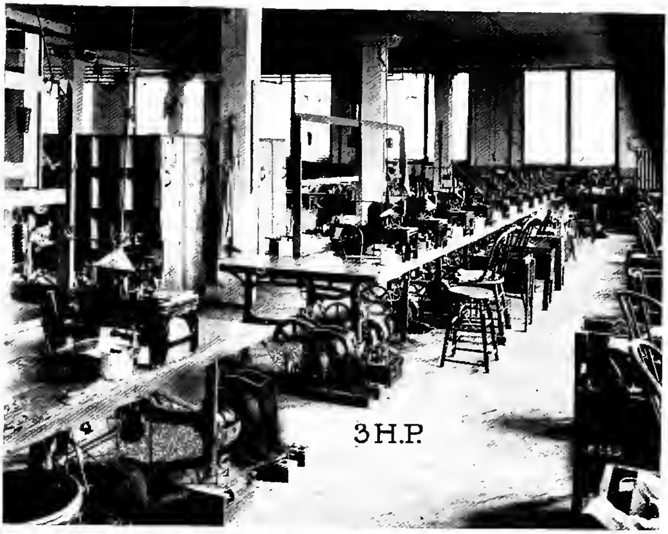
Link-Belt Silent Chain drives have a very favorable field of service in driving small high speed separate exciters from the main shaft of large alternating current dynamos, allowing the use of cheaper higher speed exciters, compact construction, a very efficient drive and a reliable voltage due to positive action.

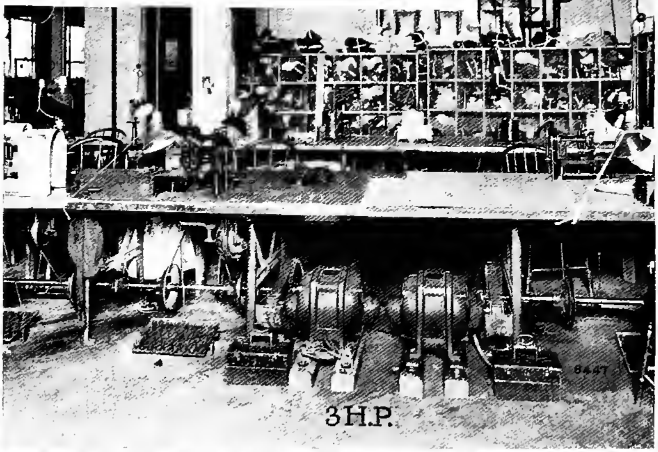

400 H.P.
G433
100 H.P.
200 H.P.
60 H.P.

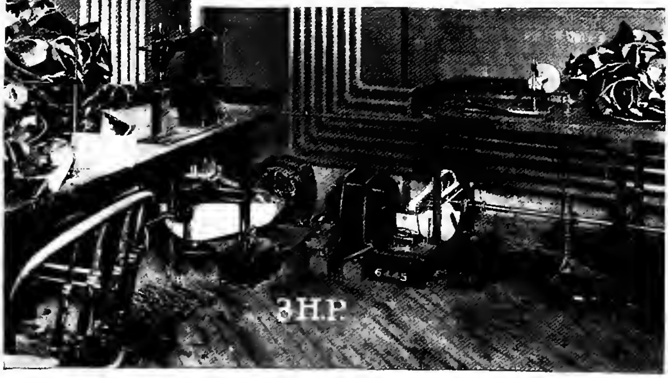
Heavy Duty Drives

Link-Belt Silent Chain is rapidly becoming the standard means of transmitting power in Paper Mills, Rubber Mills, Clay Mixing Plants and other heavy duty service.

The illustrations on the opposite page show, respectively, a beater line shaft drive in a Paper Mill, line shaft drives in a Rubber Mill and drive in a clay mixing plant.


3 H.P.


6447
3 H.P.


6445
3 H.P.

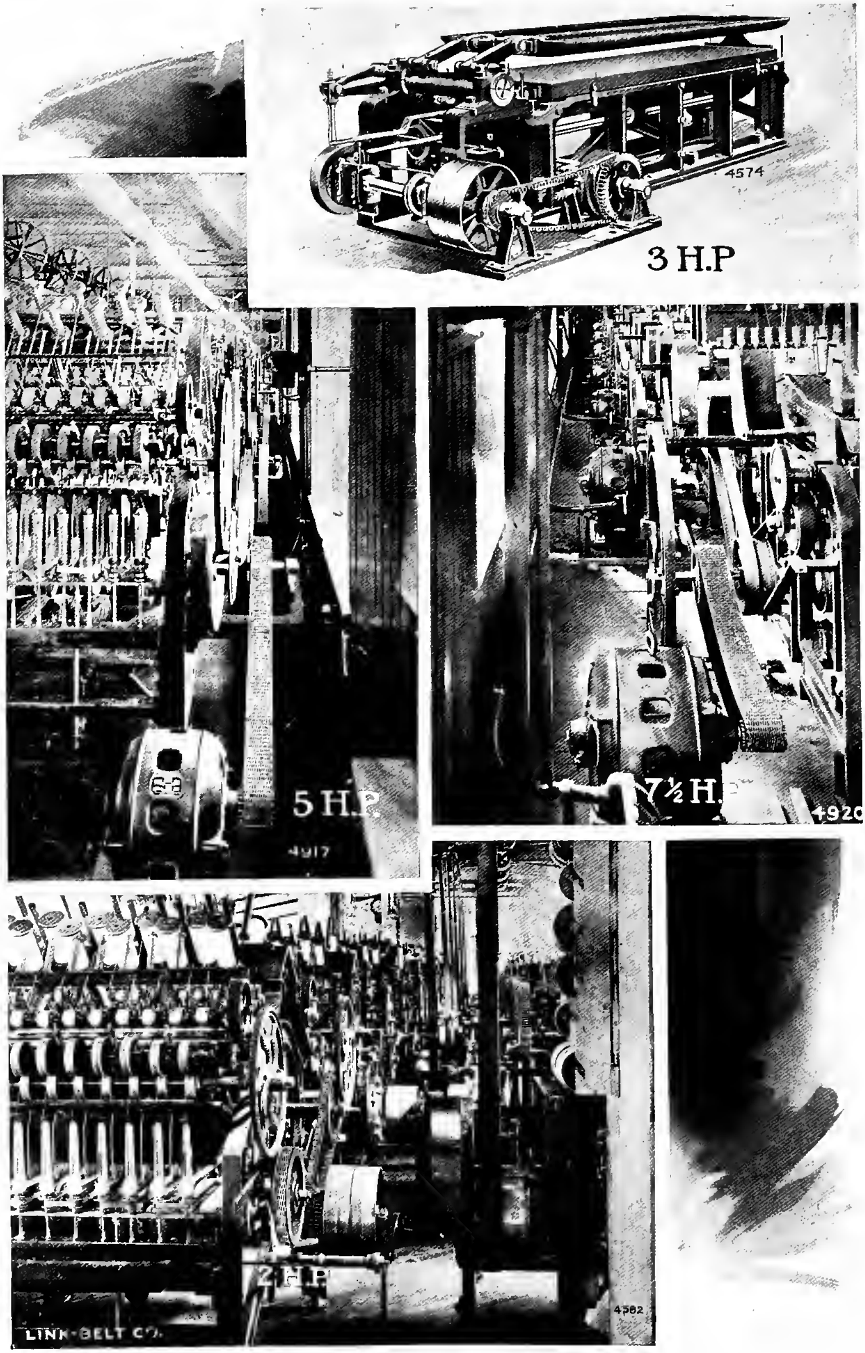
Sewing and Stitching Machine Drives

The installation of Link-Belt Silent Chain for driving Sewing Machines results in:

Greater output.
Smaller power bills.
Fewer interruptions for repairs.
Less wear and tear on machines.
Higher limit in the speeds.
Fewer broken threads.
Greatest economy in space.
No obstruction of light.
No objectionable noise.
Mutual satisfaction from piece rates.

Consequently, larger dividends, longer life of machinery, and better satisfied employees.

The chain drive is preferable to direct connected for this purpose, having initial elasticity, allowing the use of cheaper, more efficient, higher speed motors, and obtaining exactly the desired speed of line.

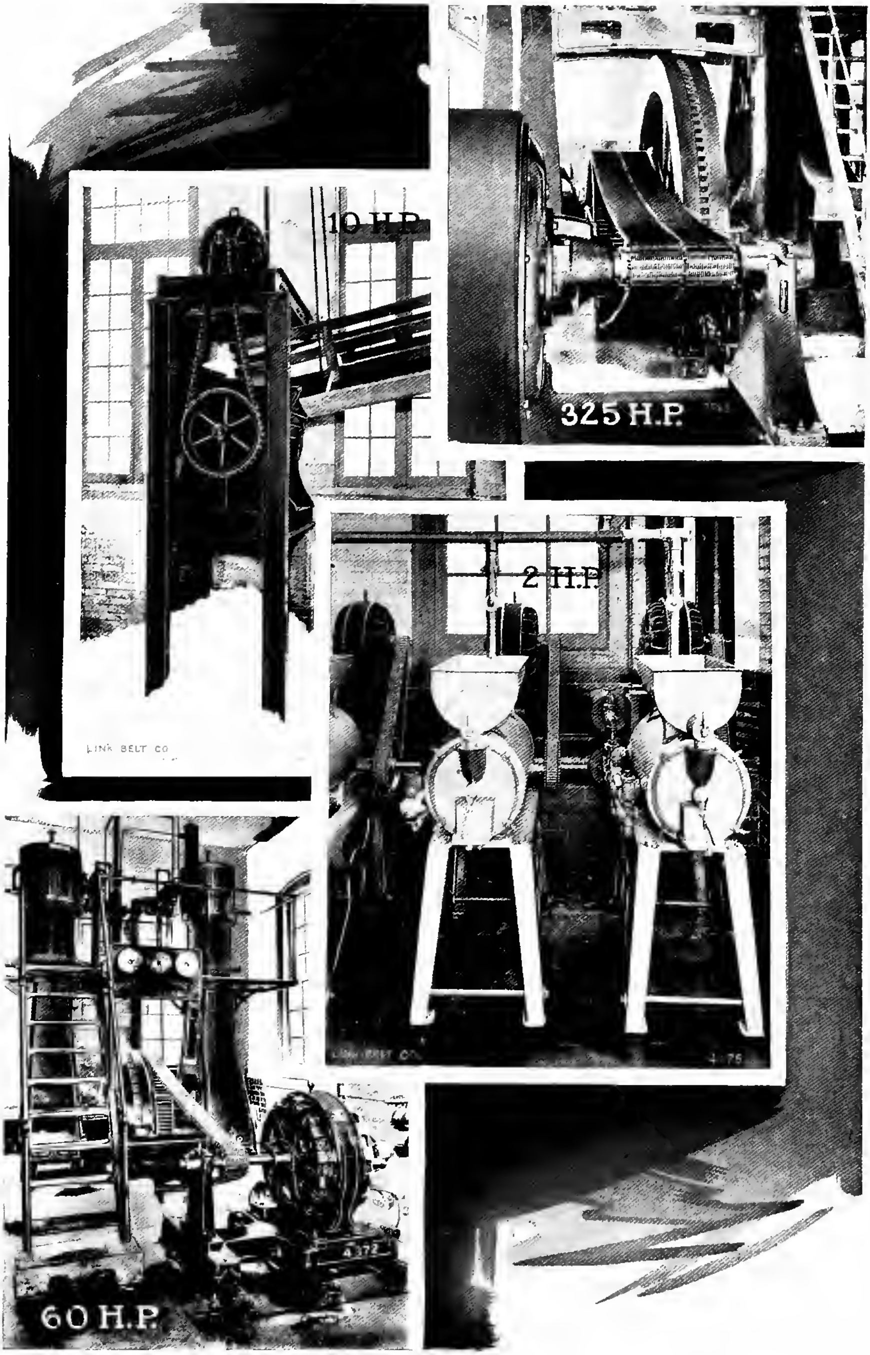

4574
3 H.P
5 H.P
4917
7½ H.P
4920
2 H.P
4582
LINK-BELT CO.

Textile Machinery

The method of transmitting power to the various machines has a marked effect upon the quality of the product, the rate of work, the power consumption, durability of machinery, and cost of maintenance. Progressive managers have begun to realize the importance of this element of their equipment, and by giving due consideration to the method of transmitting the power, have obtained vastly superior results.

While the field of application of Link-Belt Silent Chain is almost universal, it is particularly advantageous for textile drives.

The smooth, even turning of rotating parts, driven by Link-Belt Silent Chain, results in fewer broken threads than any other known form of power transmission. Therefore, the employer receives an increase in production, a higher grade product, with fewer seconds; the operators are enabled to devote more time to the machines, because of fewer stops on account of broken yarn.


10 H.P.
LINK BELT CO
325 H.P.
2 H.P.
LINK-BELT CO.
60 H.P.
4372

Refrigerating Machinery

Link-Belt Silent Chain is not affected by the atmospheric conditions and pulsations characteristic of this class of work; it insures economy in current consumed, positive action, and a generally satisfactory drive.

Notes on Design

Designing drives within the following limitations represents best practice

PITCH OF CHAIN (Nominal)	⅜	½	⅝	¾	1	1¼	1½	2	2½
Minimum number of teeth in driving wheel	15	17	17	17	17	17	17	19	19
Minimum number of teeth in driven wheel	17	19	19	19	21	21	21	23	23
Maximum number of teeth in driveR	90	90	90	90	90	90	90	90	90
Maximum number of teeth in driveN	120	130	130	130	130	130	130	130	130
Maximum revolutions of minimum wheel	2260	1835	1460	1220	920	800	700	530	425
Corresponding chain speed	1200	1300	1300	1300	1300	1400	1500	1500	1500

Minimum center distance = Diameter of larger wheel + half the diameter of smaller wheel.

It is not economical to exceed any of these limitations for the sake of obtaining a lower first cost. If, however, the conditions necessitate exceeding these figures, submit the full particulars to our Engineering Department. Use our data blank.

Desirable Features:
- An odd number of teeth in pinions.
- An even number of links (or pitches) in the chain.
- Adjustability in the distance between centers of wheels, to regulate or eliminate the slack, as occasion may require.

It will be noticed from the tables that different pitches and widths of chains may have about the same horse-power rating, as for instance, ½" pitch 2" wide, ⅝" pitch 1½" wide, and ¾" pitch 1¼" wide. From a mechanical standpoint, the chains whose widths range from 2 times the pitch to 6 times the pitch, are preferable and are generally employed. The longer-pitch narrower chains are cheaper than shorter pitch wider chains, but are likely to require somewhat larger wheels. They are preferable in drives having a long proportionate distance between centers.

The Horse-Powers listed for the chains are based on a uniform rate of work, where there is little shock or variation in the load throughout a single revolution of the driven wheel.

Drives running such machinery as single acting pumps, compressors, etc., or operating more than ten hours per day, should be figured at ten to fifty per cent above rated power, depending upon the judgment of the engineer as to the maximum momentary strains that may be developed, the frequency of such strains, the portion of the time the drive is under maximum load, and the percentage of the total time the drive is in operation.

The selection of heavier chains than the minimum sizes recommended, will give more than a corresponding return in the service rendered. This is particularly true in small drives, where the overloads are proportionately high.

The approximate ultimate strengths of the chains can be obtained by multiplying the pitch in inches by the width in inches, and multiplying this by 5500. This would make, for instance, a 2-inch pitch chain 12 inches wide have an ultimate strength of 132.000 lbs. *(2x12x5500=132,000.)*

Durability, and not ultimate strength, is the important element in selecting proper chains.

Where extremely quiet drives are desired, as in hospitals, schools, banks, etc., we advise the use of short-pitch wide chains, and pinions having not less than 23 teeth, combined with a chain speed below the tabulated limit, the drive being preferably run in oil.

We are prepared to furnish chains of longer pitch or greater width than those listed, or to provide equalizing wheels where multiple strand drives are necessary, and will submit estimate on receipt of details as to the requirements.

Orders for Chain Drives are subject to check by our Engineering Department.

Example

Figured out in detail

Horse Power........................10.
Speed of DriveR....................1200 R. P. M.
Speed of DriveN....................507 R. P. M.
Center Distance.....................30 inches.
Speed Ratio is therefore 2.37 : 1.

From Ratio Table No. 1 (and preferably from Ratios A), select 19 and 45 teeth.

In Speed Table No. 2, find approximately 1200 revolutions per minute opposite a 19 tooth wheel, in a column which is preferably within the limits of 1000 to 1300 feet per minute. In the 5/8″ pitch group this is found in column headed 1200 feet per minute.

In Horse Power Table No. 3, under the head of 1200 feet per minute, and in the group of 5/8″ pitch chains, it will be seen that 3″ width is good for 10 horse power.

Figuring length from pages 48 and 49—

Diameter of 45 tooth wheel is 9.01″
Diameter of 19 tooth wheel is 3.82″

Difference, 5.19″

Dividing this by twice the center distance (or 60 inches) we have .0865. Next larger value in table in Column A is .08716, Then

Value B, 1.9924 × center distance 30″ = 59.77
Value C, .4722 × 19 Teeth × 5/8″ pitch = 5.61
Value D, .5278 × 45 Teeth × 5/8″ pitch = 14.84

Length of chain = 80.22

inches theoretically necessary to go around wheels in position, This requires approximately 129 links or pitches, and as an even number should be used wherever practicable, assume 130 pitches, or 81¼ inches of chain. List prices will be

6.77′ of 5/8″ x 3″ chain at $3.88 per foot,	$26.27
1—19 Tooth Pinion	6.55
1—45 Tooth Wheel	9.80
Wire flanges for latter	1.95
Total List Price	$44.57

Subject to discount

Instructions for Selecting Link-Belt Silent Chain Drives

Having the revolutions per minute of both shafts, and the horse power to be transmitted—

First, select a suitable tooth combination from Ratio Table No. 1. (Page 43.)

Second, working with the smaller wheel, select from Speed Table No. 2 a pitch of chain which, when run over the small wheel at the desired number of revolutions per minute, will bring the chain speed within the limits most likely to produce a durable and economic drive (1000 to 1300 feet per minute is most satisfactory). (Pages 44 and 45.)

Third, with this pitch and speed of chain, select from Horse-Power Table No. 3 a width of chain which, at the chain speed chosen, is good for the number of horse-power to be transmitted. (Pages 46 and 47.)

Fourth, determine length of chain as shown on pages 48 and 49.

List Prices, pages 64 to 81.

The examples of drives operating from standard motors to driven mechanisms running at various speeds, on pages 50 to 56, cover the field so extensively that they give a close approximation of list price and details of construction for usual motor drives.

Ratio Table No. 1

$$\text{Ratio of Transmission} = \frac{\text{Revolutions per Minute of Driving Wheel.}}{\text{Revolutions per Minute of Driven Wheel.}}$$

We have patterns for all wheels listed on pages 64 to 81. If **exact** ratio demands unlisted wheel, pattern charge will be made.

'A'—Desirable from Mechanical standpoint.
'B'—Employed for small reduction drives, in cases where unusual compactness is desired. Also to keep chain speed within limits when rotative speed is high for given Horse Power.
'C'—Large reductions in speed (Small wheel DriveR).
'D'—Large increases in speed (Small wheel DriveN).
'E'—Only employed when revolutions per minute are low for given horse power, and the center distance is long.
In Ratios 'E' use only narrow chains for a given pitch.

Number of Teeth in DriveN Wheel.

	Number of Teeth in Driving Wheel																			
No. of Teeth	**17**	**19**	**21**	**23**	**25**	**27**	**30**	**33**	**36**	**40**	**45**	**50**	**55**	**60**	**68**	**75**	**84**	**90**	**100**	**110**
19	1.12	1.00	.91	.83	.76	.70	.64	.58	.53	.48	.42	.38	.35	.32	.28	.25	.23	.21	.19	.17
21	1.23	1.10	1.00	.91	.84	.78	.70	.64	.58	.53	.47	.42	.38	.35	.31	.28	.25	.23	.21	.19
23	1.35	1.21	1.10	1.00	.92	.85	.78	.70	.64	.58	.51	.46	.42	.38	.34	.31	.27	.26	.23	.21
25	1.47	1.32	1.19	1.09	1.00	.93	.83	.76	.70	.63	.56	.50	.46	.42	.37	.33	.30	.28	.25	.23
27	1.59	1.42	1.28	1.17	1.08	1.00	.90	.82	.75	.68	.60	.54	.49	.45	.40	.36	.32	.30	.27	.25
30	1.77	1.58	1.43	1.30	1.20	1.11	1.00	.91	.83	.75	.67	.60	.55	.50	.44	.40	.36	.33	.30	.27
33	1.94	1.74	1.57	1.43	1.32	1.22	1.10	1.00	.92	.83	.73	.66	.60	.55	.49	.44	.39	.37	.33	.30
36	2.17	1.89	1.71	1.56	1.44	1.33	1.20	1.09	1.00	.90	.80	.72	.65	.60	.53	.48	.43	.40	.36	.33
40	2.35	2.10	1.90	1.74	1.60	1.48	1.33	1.41	1.11	1.00	.89	.80	.73	.67	.59	.53	.48	.45	.40	.36
45	2.65	2.37	2.14	1.96	1.80	1.67	1.50	1.36	1.25	1.13	1.00	.90	.82	.75	.66	.60	.54	.50	.45	.41
50	2.94	2.63	2.38	2.18	2.00	1.85	1.67	1.52	1.30	1.25	1.11	1.00	.91	.83	.74	.67	.60	.56	.50	.45
55	3.24	2.89	2.62	2.39	2.20	2.04	1.83	1.67	1.53	1.38	1.22	1.10	1.00	.92	.81	.73	.66	.61	.55	.50
60	3.53	3.16	2.86	2.61	2.40	2.22	2.00	1.82	1.67	1.50	1.33	1.20	1.09	1.00	.88	.80	.71	.67	.60	.55
68	4.00	3.58	3.24	2.96	2.72	2.52	2.27	2.06	1.89	1.70	1.51	1.36	1.24	1.13	1.00	.91	.81	.76	.68	.62
75	4.41	3.95	3.57	3.26	3.00	2.78	2.50	2.27	2.08	1.87	1.67	1.50	1.36	1.25	1.10	1.00	.89	.83	.75	.68
84	4.94	4.42	4.00	3.65	3.36	3.11	2.80	2.54	2.33	2.10	1.87	1.68	1.53	1.40	1.24	1.12	1.00	.93	.84	.76
90	5.30	4.74	4.28	3.91	3.60	3.33	3.00	2.72	2.50	2.25	2.00	1.80	1.64	1.50	1.32	1.20	1.07	1.00	.90	.82
100	5.88	5.25	4.76	4.35	4.00	3.70	3.33	3.03	2.78	2.50	2.22	2.00	1.82	1.67	1.47	1.33	1.19	1.11	1.00	.91
110	6.48	5.80	5.24	4.78	4.40	4.08	3.67	3.34	3.06	2.75	2.45	2.20	2.06	1.83	1.62	1.47	1.31	1.22	1.10	1.00
120	7.07	6.32	5.72	5.22	4.80	4.45	4.00	3.64	3.34	3.00	2.67	2.40	2.18	2.00	1.77	1.60	1.43	1.34	1.20	1.09
130	7.65	6.85	6.19	5.66	5.20	4.82	4.33	3.94	3.62	3.25	2.89	2.60	2.36	2.17	1.91	1.73	1.55	1.44	1.30	1.18

Second, working with the smaller wheel, select from this table a pitch of chain which, when run over the small wheel at the desired number of revolutions per minute, will bring the chain speed within the limits most likely to produce a durable and economic drive (1000 to 1300 feet per minute is most satisfactory).

Speed Table No. 2

Chain speeds of from 1000 to 1300 feet per minute are **usually preferable.**
Table gives revolutions for wheel indicated at left,
producing chain speed at head of column.

Chain Speed in Feet per minute			500	600	700	800	900	1000	1100	1200	1300	1400	1500
Pitch, Inches	No. of Teeth	Dia. of Wheel, Inches	R P M	R P M	R P M	R P M	R P M	R P M	R P M	R P M	R P M	R P M	R P M
⅜	17	2.041	942	1130	1317	1507	1692	1882	2072	2260	2445	...	...
	19	2.278	843	1010	1178	1345	1517	1685	1852	2020	2190	...	...
	21	2.516	762	912	1065	1220	1372	1525	1677	1830	1980	...	...
	23	2.754	696	835	974	1113	1252	1390	1530	1670	1810	...	...
	25	2.992	643	770	900	1025	1158	1282	1412	1540	1670	1795	...
	27	3.230	592	710	830	946	1065	1182	1300	1420	1540	1660	...
	30	3.587	536	643	750	858	965	1072	1180	1285	1393	1500	1600
	33	3.945	488	587	683	782	878	976	1072	1172	1270	1365	1460
	36	4.303	449	536	627	718	805	895	987	1070	1165	1250	1330
	40	4.780	400	480	560	640	720	800	880	960	1040	1120	1200
	45	5.376	354	426	496	568	638	710	780	853	925	992	1065
	50	5.972	320	384	450	512	576	640	705	770	832	896	960
½	17	2.743	705	849	988	1130	1269	1410	1553	1695	1835	...	...
	19	3.062	632	758	884	1010	1138	1262	1390	1515	1645	...	...
	21	3.382	572	685	800	915	1030	1145	1256	1370	1487	...	...
	23	3.701	522	626	730	836	940	1043	1148	1250	1358	...	...
	25	4.021	483	578	674	770	869	965	1060	1155	1253	...	...
	27	4.341	444	532	622	710	800	890	975	1065	1153	1245	...
	30	4.822	402	482	562	645	725	805	885	965	1045	1123	...
	33	5.302	366	440	512	586	659	730	805	880	952	1022	1090
	36	5.783	336	402	470	540	605	672	740	805	875	940	1000
	40	6.424	300	360	420	480	540	600	660	720	780	840	900
	45	7.225	266	320	372	426	480	532	586	640	692	745	800
	50	8.027	240	288	336	384	432	480	528	576	625	672	720
⅝	17	3.423	565	678	790	904	1015	1129	1242	1355	1468	...	...
	19	3.822	506	606	707	808	910	1010	1110	1210	1315	...	...
	21	4.220	457	548	640	733	824	916	1005	1097	1190	...	...
	23	4.619	417	500	584	670	752	835	920	1000	1085	1168	...
	25	5.019	386	462	540	616	695	772	849	925	1000	1078	...
	27	5.418	356	425	497	568	640	711	780	853	925	995	1065
	30	6.018	322	386	450	515	580	644	707	772	837	900	960
	33	6.617	293	352	410	470	526	585	644	705	762	820	875
	36	7.217	269	322	376	430	483	537	592	645	700	752	800
	40	8.017	240	288	336	384	432	480	528	576	625	672	720
	45	9.017	213	256	298	341	383	425	469	512	555	595	640
	50	10.017	192	230	269	308	346	384	422	461	500	538	575
¾	17	4.098	470	565	659	753	847	942	1036	1130	1223	...	...
	19	4.575	421	505	589	674	759	843	926	1010	1095	...	...
	21	5.052	382	457	533	610	687	763	839	915	992	...	...
	23	5.530	348	417	486	557	627	696	765	835	905	974	...
	25	6.008	322	386	449	513	580	643	707	770	837	900	...
	27	6.486	296	354	415	473	533	593	650	710	770	830	890
	30	7.204	268	321	375	430	483	536	590	644	697	750	800
	33	7.922	244	294	341	391	439	488	536	587	635	683	730
	36	8.640	224	268	313	359	402	448	493	536	583	627	666
	40	9.597	200	240	280	320	360	400	440	480	520	560	600
	45	10.795	177	214	248	284	319	355	391	426	461	495	533
	50	11.992	160	192	224	256	288	320	352	385	416	448	480

Chain Speed in Feet per minute			500	600	700	800	900	1000	1100	1200	1300	1400	1500
Pitch Inches	No. of Teeth	Dia. of Wheel, Inches	R P M	R P M	R P M	R P M	R P M	R P M	R P M	R P M	R P M	R P M	R P M
1	17	5.464	353	424	494	565	635	706	777	848	918	. . .	. . .
	19	6.100	316	379	442	505	569	632	695	758	822	884	. . .
	21	6.736	286	343	400	458	515	572	629	686	744	800	858
	23	7.373	261	313	365	418	470	522	574	626	679	730	783
	25	8.011	241	289	337	385	434	482	530	578	627	674	720
	27	8.648	222	266	311	355	400	444	488	532	577	622	667
	30	9.605	201	241	281	322	362	402	442	482	523	562	600
	33	10.562	183	220	256	293	329	366	402	440	476	512	546
	36	11.520	168	201	235	269	302	336	370	402	437	470	500
	40	12.796	150	180	210	240	270	300	330	360	390	420	450
	45	14.393	133	160	186	213	239	266	293	320	346	372	400
	50	15.990	120	144	168	192	216	240	264	288	312	336	360
1¼	17	6.825	282	339	396	452	508	565	621	679	735	790	. . .
	19	7.619	253	303	354	404	455	505	556	606	658	707	. . .
	21	8.414	229	274	320	366	412	458	503	549	595	640	686
	23	9.209	209	250	292	334	376	417	460	501	543	584	626
	25	10.005	193	232	270	308	347	386	424	462	501	540	576
	27	10.802	178	212	249	284	320	355	390	425	462	498	534
	30	11.997	161	193	224	258	290	322	354	385	418	450	480
	33	13.192	147	176	205	234	264	292	322	352	380	410	437
	36	14.388	134	161	188	215	242	269	296	322	350	376	400
	40	15.983	120	144	168	192	216	240	264	288	312	336	360
	45	17.977	236	128	149	170	191	213	234	256	277	298	320
	50	19.971	106	115	134	154	173	192	211	230	250	269	288
1½	17	8.196	96	283	330	376	425	471	518	565	611	658	707
	19	9.150	210	252	295	336	380	421	463	505	548	590	633
	21	10.105	191	229	266	306	344	381	420	457	495	533	572
	23	11.060	174	209	244	279	313	348	383	417	452	486	522
	25	12.016	160	193	225	257	290	322	353	385	418	450	480
	27	12.972	148	177	208	237	267	296	326	355	385	415	445
	30	14.408	134	161	187	215	242	268	295	322	348	375	400
	33	15.843	122	147	171	195	219	244	268	294	317	342	364
	36	17.279	112	134	157	179	202	224	247	268	291	314	333
	40	19.195	100	120	140	160	180	200	220	240	260	280	300
	45	21.589	89	107	124	142	160	177	195	213	230	248	267
	50	23.985	80	96	112	128	144	160	176	192	208	224	240
2	17	10.893	177	212	247	282	318	354	388	424	459	494	530
	19	12.160	158	190	221	252	285	316	348	379	411	442	475
	21	13.429	143	172	200	229	258	286	314	343	371	400	429
	23	14.699	131	157	183	209	235	261	287	313	340	365	391
	25	15.969	120	149	168	192	217	241	265	289	314	337	360
	27	17.241	111	133	155	177	200	222	244	266	289	311	334
	30	19.148	100	120	140	161	181	201	221	241	261	281	300
	33	21.056	91	110	128	147	165	183	201	220	238	256	273
	36	22.965	84	100	118	134	151	168	185	201	218	235	250
	40	25.510	75	90	105	120	135	150	165	180	195	210	225
	45	28.693	67	80	93	106	120	133	146	160	173	186	200
	50	31.876	60	72	84	96	108	120	132	144	156	168	180
2½	17	13.605	141	170	198	226	254	282	310	339	367	395	424
	19	15.189	126	152	177	202	228	252	278	303	329	354	380
	21	16.774	114	137	160	183	206	229	252	274	297	320	343
	23	18.360	104	125	146	167	188	209	230	250	272	292	313
	25	19.947	97	115	135	154	174	193	212	232	251	270	288
	27	21.534	89	106	125	142	160	177	195	212	231	249	267
	30	23.917	81	97	112	129	145	161	177	193	209	225	240
	33	26.300	73	88	102	117	132	146	161	176	191	205	218
	36	28.684	67	80	94	107	121	135	148	161	175	188	200
	40	31.864	60	72	84	96	108	120	132	144	156	168	180
	45	35.839	53	64	75	85	96	107	117	128	138	149	160
	50	39.815	48	58	67	77	86	96	106	115	125	134	144

Third, now having the pitch and speed of chain, select from this table a width of chain which, at the chain speed chosen, is good for the number of horse-power to be transmitted.

Horse-Power Table No. 3

Horse-Powers transmitted by Link-Belt Silent Chains of pitches and widths at left, when chains are run at speeds shown at tops of columns.

Speed in Feet per Min.			500	600	700	800	900	1000	1100	1200	1300	1400	1500	Approximate Pitches per foot	List Price per foot
Pitch, Inches	Nominal Width, Ins.	Face of Wheel, Ins	H. P.	H. P.	H. P.	H. P.	H. P.	H. P.	H. P.	H. P.	H. P.	H. P.	H. P.		
⅜	½	1 1/32	.58	.66	.72	.78	.82	.88	.91	.95	*.98*	*1.02*	*1.03*	32	$1.50
	¾	1 7/32	.87	.98	1.07	1.16	1.22	1.30	1.38	1.42	*1.47*	*1.53*	*1.55*	32	1.85
	1	1 17/32	1.16	1.31	1.43	1.55	1.63	1.73	1.82	1.89	*1.96*	*1.99*	*2.06*	32	2.20
	1¼	1 23/32	1.45	1.64	1.79	1.91	2.04	2.18	2.28	2.36	*2.45*	*2.50*	*2.57*	32	2.45
	1½	2 1/32	1.74	1.97	2.15	2.30	2.45	2.60	2.73	2.83	*2.94*	*3.01*	*3.09*	32	2.72
	2	2 17/32	2.32	2.62	2 86	3.08	3.27	3.46	3.64	3.78	*3.92*	*4.03*	*4.12*	32	3.44
	3	3 17/32	3.48	3.91	4.28	4 61	4.89	5.22	5.46	5.67	*5.88*	*6.02*	*6.18*	32	4.80
½	½	1⅛	.84	.95	1.04	1.11	1.19	1.27	1.33	1.38	1.42	*1.48*	*1.50*	24	1.30
	¾	1⅜	1.26	1.40	1.56	1.70	1.79	1.91	1.99	2.07	2.13	*2.21*	*2.23*	24	1.55
	1	1⅝	1.68	1.89	2.08	2.25	2.34	2.54	2.65	2.76	2.84	*2.93*	*2.95*	24	1.75
	1½	2⅛	2.52	2.91	3 12	3.44	3.57	3.88	3.98	4.14	4 25	*4 41*	*4.45*	24	2.24
	2	2⅝	3.37	3.82	4 17	4.48	4.77	5.10	5.30	5.52	5.68	*5.85*	*6.0*	24	2.84
	3	3⅝	5.05	5.73	6.25	6.75	7.15	7.60	7.95	8.29	8.50	*8.78*	*8.98*	24	4.00
	4	4⅝	6.73	7.64	8.30	9.00	9.53	10.1	10.6	11.1	11.3	*11.7*	*11.9*	24	5.20
⅝	1	1⅝	2.22	2.51	2.74	2.96	3.15	3.33	3.50	3.64	3.75	*3.86*	*3.95*	19.2	1.85
	1¼	1⅞	2.77	3.15	3.41	3.71	3.93	4.18	4.37	4.54	4.70	*4.82*	*4.94*	19.2	2.05
	1½	2 3/16	3.33	3.76	4.12	4.43	4.72	5.00	5.25	5.45	5.62	*5.81*	*5.93*	19.2	2.28
	2	2 11/16	4.43	5.02	5.47	5.91	6.30	6.67	7.00	7.28	7.50	*7.72*	*7.90*	19.2	2.84
	3	3 11/16	6.65	7.52	8.22	8.88	9.45	10.0	10.50	10.9	11.2	*11.6*	*11.9*	19.2	3.88
	4	4¾	8.86	10.0	10.9	11.8	12.6	13.3	14.0	14.5	15.0	*15.4*	*15.8*	19.2	5.00
	6	6¾	13.3	15.0	16.4	17.7	18.9	20.0	21.0	21.8	22.5	*23.2*	*23.7*	19.2	7.52
¾	1	1⅞	2.85	3.22	3.51	3.78	4.05	4.37	4.48	4.65	4.82	*4.92*	*5.07*	16	1.60
	1¼	2⅛	3.56	3.98	4.39	4.70	5.06	5.30	5.60	5.78	6.02	*6.15*	*6.33*	16	1.84
	1½	2⅜	4.27	4.85	5.27	5.67	6.10	6.40	6.72	6.98	7.23	*7.42*	*7.60*	16	2.16
	2	2⅞	5.68	6.42	7.03	7.56	8.10	8.55	8.95	9.31	9.63	*9.90*	*10.1*	16	2.68
	3	3⅞	8.55	9.63	10.5	11.4	12.1	12.8	13.4	14.0	14.5	*14.8*	*15.2*	16	3.76
	4	4⅞	11.4	12.8	14.0	15.1	16.3	17.3	17.9	18.6	19.3	*19.8*	*20.2*	16	4.88
	5	5⅞	14.2	16.1	17.6	18.9	20.3	21.3	22.4	23.3	24.1	*24.8*	*25.3*	16	5.92
	6	6⅞	17.1	19.3	21.1	22.8	24.3	25.7	26.8	27.9	28.9	*29.7*	*30.4*	16	6.96

Note—The figures shown in Italics are beyond normal conditions. We offer our engineering experience for this group, or for any condition not shown.

Horse Power Table No. 3—Continued

Chain Speed in Feet per Min.			500	600	700	800	900	1000	1100	1200	1300	1400	1500	Approximate Pitches per foot	List Price per foot
Pitch, Inches	**Nominal Width, Ins**	**Face of Wheel, Ins.**	**H. P.**	**H. P.**	**H. P.**	**H. P.**	**H. P.**	**H. P.**	**H. P.**	**H. P.**	**H. P.**	**H. P.**	**H. P.**		
1	**2**	2 3/4	7	7.91	8.65	9.33	10	10.5	10.9	11.4	11.8	*12.2*	*12.5*	12	$2.88
	2 1/2	3 1/4	9	10.1	11.1	12.0	12.9	13.5	14.1	14.7	15.2	*15.6*	*16.1*	12	3.44
	3	3 3/4	11	12.4	13.6	14.6	15.7	16.5	17.2	18	18.6	*19.1*	*19.7*	12	4.04
	4	4 3/4	15	16.9	18.6	20	21.5	22.5	23.5	24.6	25.4	*26.1*	*26.9*	12	5.28
	5	5 3/4	19	21.5	23.5	25.2	27.2	28.7	29.7	31.1	32.1	*32.9*	*34*	12	6.48
	6	6 13/16	23	26	28.5	30.5	32.9	34.5	36	37.6	38.9	*39.5*	*41.2*	12	7.68
	8	8 13/16	31	34.9	38.4	41.2	44.3	46.3	48.5	50.7	52.4	*53.8*	*55.5*	12	10.12
1 1/4	**2**	3	9.7	11.0	11.9	13	13.8	14.6	15.3	15.9	16.4	16.7	*17.2*	9.6	3.22
	3	4	15.3	17.3	18.7	20.3	21.7	22.9	24.2	25	25.7	26.5	*27.1*	9.6	4.62
	4	5	20.8	23.5	25.5	27.6	29.6	31.2	32.6	34.1	35.1	36.2	*36.9*	9.6	6.12
	5	6	26.3	29.8	32.3	35.1	37.5	39.7	41.6	43.2	44.5	45.8	*46.7*	9.6	7.56
	6	7	31.8	36.2	39.1	42.7	45.3	48.2	50.3	52.2	53.8	55.5	*56.4*	9.6	9.01
	8	9	42.8	48.5	52.7	57.2	61.2	64	67.8	70.3	72.5	74.6	*76.2*	9.6	11.90
	10	11	54.1	61.3	66.5	72.2	77.1	81.2	85.6	88.7	91.4	94.1	*96*	9.6	14.90
1 1/2	**3**	4	20.1	22.7	24.7	26.9	28.7	30.3	31.8	33	34	35	35.7	8	5.32
	4	5	27.5	31.1	33.7	36.6	39.1	41.2	43.4	45	46.4	48	48.7	8	7.05
	5	6	34.8	39.3	42.7	46.3	49.5	52.3	55	57	58.7	60.7	61.6	8	8.73
	6	7	42.2	47.6	51.8	56.3	60	63.4	66.5	69	71.1	73.5	74.7	8	10.41
	8	9	56.7	64.2	69.7	75.7	81	85.2	89.7	93	95.8	99	101	8	13.86
	10	11	71.4	80.7	87.7	95.2	102	107	113	117	121	124	127	8	17.37
	12	13	86	97.3	106	115	123	129	136	141	145	150	152	8	21.00
2	**6**	7 5/16	56.1	63.5	69	75	80	84.3	88.8	92	94.8	97.5	99.6	6	12.10
	8	9 5/16	75.7	85.6	93	101	108	114	120	124	128	131	134	6	16.30
	10	11 5/16	95.2	107	117	126	136	143	151	156	161	165	169	6	20.55
	12	13 5/16	114	129	141	153	164	172	182	188	194	199	204	6	24.80
	14	15 5/16	134	152	165	179	191	201	212	220	227	233	240	6	29.20
	16	17 5/16	154	174	189	205	220	231	243	252	260	267	273	6	33.85
2 1/2	**6**	8	73	82.7	90	98	104	110	116	120	124	127	130	4.8	18.00
	8	10	100	113	123	133	143	150	158	164	169	174	178	4.8	23.00
	10	12	126	143	155	168	180	190	200	207	213	220	224	4.8	28.50
	12	14	153	173	188	204	218	230	242	251	259	266	272	4.8	34.00
	14	16	179	204	220	240	255	270	284	294	303	313	318	4.8	39.50
	16	18	206	235	253	274	294	310	326	338	348	359	365	4.8	45.50

Note—The figures shown in Italics are beyond normal conditions. We offer our engineering experience for this group, or for any condition not shown.

To Determine Length of Chain

Subtract diameter of smaller wheel from diameter of larger wheel, and divide the difference by twice the center distance. Find in Column A the value next larger than this result. Use corresponding values (in same line) from Columns B, C and D, and substitute in the following formula:

Length of chain equals the sum of—

Center distance multiplied by Value B
Pitch multiplied by number of teeth in smaller wheel and by Value C
Pitch multiplied by number of teeth in larger wheel and by Value D

Example

14.38″ P. D., 60 T, for ¾″ Pitch Chain Wheel
4.10″ P. D., 17 T, for ¾″ Pitch Chain Pinion
1′ 11¼″ = 23.25″ = Center distance

Diam. larger wheel = 14.38″
Diam. smaller wheel = 4.10″
Difference.... = 10.28″

$\frac{10.28}{2 \times 23.25} = .221$ Next larger value in Column A is .22495

Value B, 1.9487 × 23.25″ center distance = 45.30
Value C, .4278 × 17 Teeth × ¾″ pitch = 5.45
Value D, .5722 × 60 Teeth × ¾″ pitch = 25.75
Length of chain... .... = 76.50″

Length of Chain—Continued

A	B	C	D	A	B	C	D	A	B	C	D
.00000	2.0000	.5000	.5000	.26303	1.9296	.4153	.5847	.50754	1.7233	.3305	.6695
.00436	2.0000	.4986	.5014	.26724	1.9273	.4139	.5861	.51129	1.7188	.3292	.6708
.00873	1.9999	.4972	.5028	.27144	1.9249	.4125	.5875	.51504	1.7143	.3278	.6722
.01309	1.9998	.4958	.5042	.27564	1.9225	.4111	.5889	.51877	1.7098	.3264	.6736
.01745	1.9997	.4944	.5056	.27983	1.9201	.4097	.5903	.52250	1.7053	.3250	.6750
.02181	1.9995	.4931	.5069	.28402	1.9176	.4083	.5917	.52621	1.7007	.3236	.6764
.02618	1.9993	.4917	.5083	.28820	1.9151	.4070	.5930	.52992	1.6961	.3222	.6778
.03054	1.9991	.4903	.5097	.29237	1.9126	.4056	.5944	.53361	1.6915	.3208	.6792
.03490	1.9988	.4889	.5111	.29654	1.9100	.4042	.5958	.53730	1.6868	.3194	.6806
.03926	1.9985	.4875	.5125	.30071	1.9074	.4028	.5972	.54097	1.6821	.3180	.6820
.04362	1.9981	.4861	.5139	.30486	1.9048	.4014	.5986	.54464	1.6773	.3166	.6834
.04798	1.9977	.4847	.5153	.30902	1.9021	.4000	.6000	.54829	1.6726	.3153	.6847
.05234	1.9972	.4833	.5167	.31316	1.8994	.3986	.6014	.55194	1.6678	.3139	.6861
.05669	1.9968	.4819	.5181	.31730	1.8966	.3972	.6028	.55557	1.6629	.3125	.6875
.06105	1.9963	.4806	.5194	.32144	1.8939	.3958	.6042	.55919	1.6581	.3111	.6889
.06540	1.9957	.4792	.5208	.32557	1.8910	.3944	.6056	.56280	1.6532	.3097	.6903
.06976	1.9951	.4778	.5222	.32969	1.8882	.3931	.6069	.56641	1.6483	.3083	.6917
.07411	1.9945	.4763	.5237	.33381	1.8853	.3917	.6083	.57000	1.6433	.3069	.6931
.07846	1.9938	.4750	.5250	.33792	1.8824	.3903	.6097	.57358	1.6383	.3055	.6945
.08281	1.9931	.4736	.5264	.34202	1.8794	.3889	.6111	.57715	1.6333	.3042	.6958
.08716	1.9924	.4722	.5278	.34612	1.8764	.3875	.6125	.58070	1.6282	.3028	.6972
.09150	1.9916	.4708	.5292	.35021	1.8733	.3861	.6139	.58425	1.6231	.3014	.6986
.09585	1.9908	.4694	.5306	.35429	1.8703	.3847	.6153	.58779	1.6180	.3000	.7000
.10019	1.9899	.4681	.5319	.35837	1.8672	.3833	.6167	.59131	1.6129	.2986	.7014
.10453	1.9890	.4667	.5333	.36244	1.8640	.3819	.6181	.59482	1.6077	.2972	.7028
.10887	1.9881	.4653	.5347	.36650	1.8608	.3806	.6194	.59832	1.6025	.2958	.7042
.11320	1.9871	.4639	.5361	.37056	1.8576	.3792	.6208	.60182	1.5973	.2945	.7055
.11754	1.9861	.4625	.5375	.37461	1.8544	.3778	.6222	.60529	1.5920	.2932	.7068
.12187	1.9851	.4611	.5389	.37865	1.8511	.3764	.6236	.60876	1.5867	.2917	.7083
.12620	1.9840	.4597	.5403	.38268	1.8478	.3750	.6250	.61222	1.5814	.2903	.7097
.13053	1.9829	.4583	.5417	.38671	1.8444	.3736	.6264	.61566	1.5760	.2889	.7111
.13485	1.9817	.4569	.5431	.39073	1.8410	.3722	.6278	.61909	1.5706	.2875	.7125
.13917	1.9805	.4555	.5445	.39474	1.8376	.3708	.6292	.62251	1.5652	.2861	.7139
.14349	1.9793	.4542	.5458	.39875	1.8341	.3694	.6306	.62592	1.5598	.2847	.7153
.14781	1.9780	.4528	.5472	.40275	1.8306	.3681	.6319	.62932	1.5543	.2833	.7167
.15212	1.9767	.4514	.5486	.40674	1.8271	.3667	.6333	.63271	1.5488	.2819	.7181
.15643	1.9754	.4500	.5500	.41072	1.8235	.3653	.6347	.63608	1.5432	.2805	.7195
.16074	1.9740	.4486	.5514	.41469	1.8199	.3639	.6361	.63944	1.5377	.2792	.7208
.16505	1.9726	.4472	.5528	.41866	1.8163	.3625	.6375	.64279	1.5321	.2778	.7222
.16935	1.9711	.4458	.5542	.42262	1.8126	.3611	.6389	.64612	1.5265	.2764	.7236
.17365	1.9696	.4444	.5556	.42657	1.8089	.3597	.6403	.64945	1.5208	.2750	.7250
.17794	1.9681	.4430	.5570	.43051	1.8052	.3583	.6417	.65276	1.5151	.2736	.7264
.18224	1.9665	.4416	.5583	.43445	1.8014	.3569	.6431	.65606	1.5094	.2722	.7278
.18652	1.9649	.4403	.5597	.43837	1.7976	.3556	.6444	.65935	1.5037	.2708	.7292
.19081	1.9633	.4389	.5611	.44229	1.7937	.3542	.6458	.66262	1.4979	.2694	.7306
.19509	1.9616	.4375	.5625	.44620	1.7899	.3528	.6472	.66588	1.4921	.2680	.7320
.19937	1.9599	.4361	.5639	.45010	1.7860	.3514	.6486	.66913	1.4863	.2667	.7333
.20364	1.9581	.4347	.5653	.45399	1.7820	.3500	.6500	.67237	1.4804	.2653	.7347
.20791	1.9563	.4333	.5667	.45787	1.7780	.3486	.6514	.67559	1.4746	.2639	.7361
.21218	1.9545	.4319	.5681	.46175	1.7740	.3472	.6528	.67880	1.4686	.2625	.7375
.21644	1.9526	.4306	.5694	.46561	1.7700	.3458	.6542	.68200	1.4627	.2611	.7389
.22070	1.9507	.4292	.5708	.46947	1.7659	.3445	.6555	.68518	1.4567	.2603	.7397
.22495	1.9487	.4278	.5722	.47332	1.7618	.3431	.6569	.68835	1.4507	.2583	.7417
.22920	1.9468	.4264	.5736	.47716	1.7576	.3417	.6583	.69151	1.4447	.2569	.7431
.23345	1.9447	.4250	.5750	.48099	1.7535	.3403	.6597	.69466	1.4387	.2556	.7444
.23769	1.9427	.4236	.5764	.48481	1.7492	.3389	.6611	.69779	1.4326	.2542	.7458
.24192	1.9406	.4222	.5778	.48862	1.7450	.3375	.6625	.70091	1.4265	.2528	.7472
.24615	1.9385	.4208	.5792	.49242	1.7407	.3361	.6639	.70401	1.4204	.2514	.7486
.25039	1.9363	.4194	.5806	.49622	1.7364	.3347	.6653	.70711	1.4142	.2500	.7500
.25460	1.9341	.4181	.5819	.50000	1.7321	.3333	.6667	......	....	.....	......
.25882	1.9319	.4167	.5833	.50377	1.7277	.3320	.6680	......	....	.....	......

Examples of Drives from Standard Motors

A Convenience for Estimating List Prices

Horse Power	Working Speed Drive R. R P M	Working Speed Drive N. R P M	Chain Speed F P M	Chain		DriveR		DriveN		Wheel Face, Inches	Minimum Advisable **Centers**, Inches, Approximate	Chain Length, Inches, Nominal	**List Prices**			Add to List Price for each Additional Inch of Center Distance
				Pitch, Inches	Width, Inches	Teeth	Diam., Inches	Teeth	Diam., Inches				Chain	Wheels and Wire Flanges	Total	
½	2400	1240	1280	⅜	½	17	2.04	33	3.95	1 1/32	6	21¾	$ 2.72	$ 8.55	$ 11.27	$0.25
	2400	370	1280	⅜	½	17	2.04	110	13.13	1 1/32	14¼	54¾	6.84	14.05	20.89	.25
	1800	925	960	⅜	½	17	2.04	33	3.95	1 1/32	6	21¾	2.72	8.55	11.27	.25
	1800	610	960	⅜	½	17	2.04	50	5.97	1 1/32	7¼	27¾	3.47	9.70	13.17	.25
	1800	305	960	⅜	½	17	2.04	100	11.94	1 1/32	13	50¼	6.28	13.30	19.58	.25
	1200	615	850	½	½	17	2.74	33	5.30	1⅛	8⅛	29	3.19	9.35	12.54	.22
	1200	340	850	½	½	17	2.74	60	9.63	1⅛	11¼	43	4.73	11.85	16.58	.22
	1200	205	850	½	½	17	2.74	100	16.05	1⅛	17½	67	7.37	15.85	23.22	.22
	600	150	425	½	½	17	2.74	68	10.91	1⅛	12⅛	47	5.17	12.60	17.77	.22
1	2400	1240	1280	⅜	¾	17	2.04	33	3.95	1 9/32	6	21¾	3.37	8.80	12.17	.31
	2400	815	1280	⅜	¾	17	2.04	50	5.97	1 9/32	7¼	27¾	4.30	10.00	14.30	.31
	2000	1030	1065	⅜	¾	17	2.04	33	3.95	1 9/32	6	21¾	3.37	8.80	12.17	.31
	2000	680	1065	⅜	¾	17	2.04	50	5.97	1 9/32	7¼	27¾	4.30	10.00	14.30	.31
	1500	510	1065	½	½	17	2.74	50	8.03	1⅛	9¾	37	4.07	10.90	14.97	.22
	1500	255	1065	½	½	17	2.74	100	16.05	1⅛	17½	67	7.37	15.85	23.22	.22
	1200	410	850	½	½	17	2.74	50	8.03	1⅛	9¾	37	4.07	10.90	14.97	.22
	1200	242	850	½	½	17	2.74	84	13.48	1⅛	14⅞	57	6.27	14.25	20.52	.22
	1200	205	850	½	½	17	2.74	100	16.05	1⅛	17½	67	7.37	15.85	23.22	.22
	750	385	533	½	¾	17	2.74	33	5.30	1⅜	8⅛	29	3.77	9.65	13.42	.26
	750	255	533	½	¾	17	2.74	50	8.03	1⅜	9¾	37	4.81	11.25	16.06	.26
	750	150	533	½	¾	17	2.74	84	13.48	1⅜	14⅞	57	7.41	14.70	22.11	.26
	600	207	425	½	¾	19	3.06	55	8.83	1⅜	10¼	40	5.20	12.05	17.25	.26
2	2000	755	1060	⅜	1¼	17	2.04	45	5.38	1 25/32	6⅝	25½	5.48	10.05	15.53	.43
	2000	500	1060	⅜	1¼	17	2.04	68	8.12	1 25/32	9⅛	35¼	7.58	11.85	19.43	.43
	2000	340	1060	⅜	1¼	17	2.04	100	11.94	1 25/32	13	50¼	10.80	14.50	25.40	.43
	1800	1225	1278	½	¾	17	2.74	25	4.02	1⅜	6⅝	24	3.12	9.00	12.12	.26
	1800	610	1278	½	¾	17	2.74	50	8.03	1⅜	9¾	37	4.81	11.25	16.06	.26
	1800	450	1278	½	¾	17	2.74	68	10.91	1⅜	12⅛	47	6.11	13.10	19.21	.26
	1800	365	1278	½	¾	17	2.74	84	13.48	1⅜	14⅞	57	7.41	14.70	22.11	.26
	1500	565	1065	½	1	17	2.74	45	7.22	1⅝	8⅞	34	5.10	11.15	16.25	.30
	1500	305	1065	½	1	17	2.74	84	13.48	1⅝	14⅞	57	8.55	15.25	23.80	.30
	1500	255	1065	½	1	17	2.74	100	16.05	1⅝	17½	67	10.05	17.15	27.20	.30
	1350	460	960	½	1	17	2.74	50	8.03	1⅝	9¾	37	5.55	11.60	17.15	.30
	1350	328	960	½	1	17	2.74	68	10.91	1⅝	12⅛	47	7.05	12.50	19.55	.30
	1350	273	960	½	1	17	2.74	84	13.48	1⅝	14⅞	57	8.55	15.25	23.80	.30
	1350	230	960	½	1	17	2.74	100	16.05	1⅝	17½	67	10.05	17.15	27.20	.30
	1200	1200	950	½	1	19	3.06	19	3.06	1⅝	6¼	22	3.30	10.30	13.60	.30
	1200	410	850	½	1	17	2.74	50	8.03	1⅝	9¾	37	5.55	11.60	17.15	.30
	1200	242	850	½	1	17	2.74	84	13.48	1⅝	14⅞	57	8.55	15.25	23.80	.30
	1200	205	850	½	1	17	2.74	100	16.05	1⅝	17½	67	10.05	17.15	27.20	.30
	1000	680	710	½	1	17	2.74	25	4.02	1⅝	6⅝	24	3.60	9.20	12.80	.30
	1000	340	710	½	1	17	2.74	50	8.03	1⅝	9¾	37	5.55	11.60	17.15	.30
	1000	250	710	½	1	17	2.74	68	10.91	1⅝	12⅛	47	7.05	12.50	19.55	.30
	1000	170	710	½	1	17	2.74	100	16.05	1⅝	17½	67	10.05	17.15	27.20	.30
	750	750	740	⅝	1	19	3.82	19	3.82	1⅝	7¾	27½	4.26	11.85	16.11	.31
	750	283	670	⅝	1	17	3.42	45	9.02	1⅝	11 3/16	42½	6.59	13.65	20.24	.31
	750	213	670	⅝	1	17	3.42	60	12.02	1⅝	14⅛	53¾	8.33	16.00	24.33	.31
	750	187	670	⅝	1	17	3.42	68	13.62	1⅝	15 3/16	58¾	9.11	17.25	26.36	.31
	750	127	670	⅝	1	17	3.42	100	20.03	1⅝	21⅞	83¾	12.98	22.45	35.43	.31

Prices Subject to Discount.

Standard Motor Drives—Continued

Horse Power	Working Speed Drive R. R P M	Working Speed Drive N. R P M	Chain Speed F P M	Chain		DriveR		DriveN		Wheel, Face, Inches	Minimum Advisable **Centers**, Inches, Approximate	Chain Length, Inches, Nominal	**List Prices**			Add to List Price for each Additional Inch of Center Distance
				Pitch, Inches	Width, Inches	Teeth	Diam., Inches	Teeth	Diam., Inches				Chain	Wheels and Wire Flanges	Total	
3	2400	1240	1280	⅜	1¾	17	2.04	33	3.95	2 9/32	6	21¾	$ 5.65	$ 9.60	$ 15.25	.52
	2400	816	1280	⅜	1¾	17	2.04	50	5.97	2 9/32	7¼	27¾	7.21	11.05	28.26	.52
	2000	1360	1060	⅜	1¾	17	2.04	25	2.99	2 9/32	5	18	4.68	10.15	14.83	.52
	2000	500	1060	⅜	1¾	17	2.04	68	8.12	2 9/32	9⅛	35¼	9.16	12.55	21.71	.52
	2000	340	1060	⅜	1¾	17	2.04	100	11.94	2 9/32	13⅛	50¼	13.12	15.50	28.62	.52
	1800	1800	1070	⅜	2	19	2.28	19	2.28	2 17/32	4 11/16	16½	4.73	10.90	15.63	.59
	1800	610	1278	½	1¼	17	2.74	50	8.03	1⅞	9¾	37	5.92	11.95	17.87	.32
	1800	365	1278	½	1¼	17	2.74	84	13.48	1⅞	14⅞	57	9.12	15.85	24.97	.32
	1350	712	1089	½	1¼	19	3.06	36	5.78	1⅞	8½	31	4.96	10.75	15.71	.32
	1350	466	1089	½	1¼	19	3.06	55	8.83	1⅞	10¼	40	6.40	12.95	19.35	.32
	1350	256	1089	½	1¼	19	3.06	100	16.04	1⅞	17⅞	68	10.88	18.05	28.93	.32
	1200	408	1069	⅝	1	17	3.42	50	10.02	1⅝	12⅛	46¼	7.17	14.45	21.62	.31
	1200	300	1069	⅝	1	17	3.42	68	13.62	1⅝	15 3/16	58¾	9.11	17.25	26.36	.31
	1200	243	1069	⅝	1	17	3.42	84	16.82	1⅝	18 9/16	71¼	10.69	19.85	30.54	.31
	1200	203	1069	⅝	1	17	3.42	100	20.02	1⅝	21⅞	83¾	12.98	22.45	35.43	.31
	900	1705	1188	⅜	1¾	36	4.30	19	2.28	2 9/32	6⅜	23¼	5.45	9.80	15.25	.52
	900	420	990	⅝	1	21	4.22	45	9.02	1⅝	11⅞	45	6.98	14.50	21.48	.31
	900	228	890	⅝	1	19	3.82	75	15.02	1⅝	16⅞	65	10.08	18.75	28.83	.31
	900	190	890	⅝	1	19	3.82	90	18.02	1⅝	19¾	76¼	11.81	21.15	32.96	.31
	900	156	890	⅝	1	19	3.82	110	22.03	1⅝	24¼	92½	14.34	24.60	38.94	.31
	750	750	982	⅝	1	25	5.02	25	5.02	1⅝	10¼	36¼	5.48	12.15	17.63	.31
	750	252	667	⅝	1¼	17	3.42	50	10.02	1⅞	12⅛	46¼	8.09	14.90	22.99	.35
	750	152	667	⅝	1¼	17	3.42	84	16.82	1⅞	18 9/16	71¼	12.47	20.55	33.02	.35
	600	207	595	⅝	1¼	19	3.82	55	11.02	1⅞	12⅞	50	8.75	16.25	25.00	.35
	600	167	595	⅝	1¼	19	3.82	68	13.62	1⅞	15½	60	10.50	18.30	28.80	.35
	600	126	595	⅝	1¼	19	3.82	90	18.02	1⅞	19¾	76¼	13.34	22.00	35.34	.35
	600	103	595	⅝	1¼	19	3.82	110	22.03	1⅞	24¼	92½	16.19	25.70	41.89	.35
5	2000	1030	1060	⅜	3	17	2.04	33	3.95	3 17/32	6	21¾	8.70	10.65	19.35	.80
	2000	680	1060	⅜	3	17	2.04	50	5.97	3 17/32	7¼	27¾	11.10	12.20	23.30	.80
	2000	405	1060	⅜	3	17	2.04	84	10.03	3 17/32	11⅛	42¾	17.10	15.60	32.70	.80
	2000	340	1060	⅜	3	17	2.04	100	11.94	3 17/32	13⅛	50¼	20.10	17.70	37.80	.80
	1800	680	1275	½	2	17	2.74	45	7.22	2⅝	8⅞	34	8.16	12.55	20.71	.48
	1800	557	1275	½	2	17	2.74	55	8.83	2⅝	10	39	9.36	13.80	23.16	.48
	1800	450	1275	½	2	17	2.74	68	10.91	2⅝	12⅛	47	11.28	15.30	26.58	.48
	1800	365	1275	½	2	17	2.74	84	13.48	2⅝	14⅞	57	13.68	17.50	31.18	.48
	1800	306	1275	½	2	17	2.74	100	16.04	2⅝	17½	67	16.08	19.70	35.78	.48
	1350	630	1185	½	2	21	3.38	45	7.22	2⅝	9½	36	8.64	13.45	22.09	.48
	1350	382	1100	⅝	1½	17	3.42	60	12.02	2 3/16	14⅛	53¾	10.21	17.15	27.36	.38
	1350	273	1100	⅝	1½	17	3.42	84	16.82	2 3/16	18 9/16	71¼	13.53	21.35	34.88	.38
	1350	229	1100	⅝	1½	17	3.42	100	20.02	2 3/16	21⅞	83¾	15.91	24.25	40.16	.38
	1100	465	1100	⅝	1½	19	3.82	45	9.02	2 3/16	11½	43¾	8.31	15.10	23.41	.38
	1100	312	1165	¾	1¼	17	4.09	60	14.39	2⅛	16⅞	64½	9.99	20.80	30.79	.31
	1100	250	1165	¾	1¼	17	4.09	75	17.98	2⅛	19¾	76½	11.87	24.35	36.22	.31
	1100	222	1165	¾	1¼	17	4.09	84	20.14	2⅛	22¼	85½	13.25	26.60	39.85	.31
	1100	187	1165	¾	1¼	17	4.09	100	23.97	2⅛	26⅜	100½	15.57	30.60	46.17	.31
	900	900	955	½	2	27	4.34	27	4.34	2⅝	8¾	31	7.44	11.20	18.64	.48
	900	627	1080	⅝	1½	23	4.62	33	6.62	2 3/16	11 3/16	40	7.60	14.30	21.90	.38
	900	340	955	¾	1½	17	4.09	45	10.80	2⅜	13⅜	51	9.18	18.10	27.28	.36
	900	278	955	¾	1½	17	4.09	55	13.19	2⅜	15	58½	10.53	20.45	30.98	.36
	900	182	955	¾	1½	17	4.09	84	20.14	2⅜	22¼	85½	15.39	27.70	43.09	.36
	900	153	955	¾	1½	17	4.09	100	23.97	2⅜	26⅜	100½	18.09	31.90	49.99	.36
	750	350	825	¾	1¼	21	5.05	45	10.80	2⅛	14¼	54	8.37	18.65	27.02	.31
	750	316	890	¾	1½	19	4.57	45	10.80	2⅜	13¾	52½	9.45	18.65	28.10	.36
	750	187	795	¾	1½	17	4.09	68	15.30	2⅜	18¼	70½	12.69	23.50	36.19	.36
	750	152	795	¾	1½	17	4.09	84	20.14	2⅜	22¼	85½	15.39	27.70	43.09	.36
	750	128	795	¾	1½	17	4.09	100	23.97	2⅜	26⅜	100½	18.09	31.90	49.99	.36
	600	252	790	¾	1½	21	5.05	50	11.99	2⅜	15⅜	58½	10.53	20.60	31.13	.36

Prices Subject to Discount.

Standard Motor Drives – Continued

Horse Power	Working Speed Drive R. R P M	Working Speed Drive N. R P M	Chain Speed F P M	Chain		DriveR		DriveN		Wheels Face, Inches	Minimum Advisable **Centers**, Inches, Approximate	Chain Length, Inches, Nominal	**List Prices**			Add to List Price for each Additional Inch of Center Distance
				Pitch, Inches	Width, Inches	Teeth	Diam., Inches	Teeth	Diam., Inches				Chain	Wheels and Wire Flanges	Total	
7½	1800	927	1275	½	3	17	2.74	33	5.30	3⅝	8⅛	29	$ 9.72	$ 12.10	$ 21.82	$ .67
	1800	680	1275	½	3	17	2.74	45	7.23	3⅝	8⅞	34	11.40	13.95	25.35	.67
	1800	450	1275	½	3	17	2.74	68	10.91	3⅝	12⅛	47	15.74	17.10	32.84	.67
	1800	365	1275	½	3	17	2.74	84	13.48	3⅝	14⅞	57	19.09	19.65	38.74	.67
	1800	306	1275	½	3	17	2.74	100	16.04	3⅝	17½	67	22.44	22.20	44.64	.67
	1350	945	1190	½	3	21	3.38	30	4.82	3⅝	8	29	9.72	12.95	22.67	.67
	1350	630	1190	½	3	21	3.38	45	7.23	3⅝	9½	36	12.06	15.15	27.21	.67
	1350	342	1080	½	3	19	3.06	75	12.04	3⅝	13½	52	17.42	18.80	36.22	.67
	1350	233	1080	½	3	19	3.06	110	17.65	3⅝	19⅜	74	24.79	24.40	49.19	.67
	1125	425	1000	⅝	2½	17	3.42	45	9.02	3 3/16	11 3/16	42½	11.90	16.55	28.45	.56
	1125	382	1000	⅝	2½	17	3.42	50	10.02	3 3/16	12⅛	46¼	13.05	17.55	30.60	.56
	1125	227	1000	⅝	2½	17	3.42	84	16.82	3 3/16	18 9/16	71¼	19.95	24.55	44.50	.56
	1125	191	1000	⅝	2½	17	3.42	100	20.03	3 3/16	21⅞	83¾	23.45	27.90	51.35	.56
	750	750	1175	¾	1¾	25	6.01	25	6.01	2⅝	12⅜	43½	8.70	15.90	24.60	.40
	750	254	795	¾	[illegible]	17	4.09	50	11.99	2⅞	14½	55½	12.49	20.80	33.29	.45
	750	213	795	¾	2	17	4.09	60	14.39	2⅞	16⅞	64½	14.51	23.30	37.81	.45
	750	187	795	¾	2	17	4.09	68	16.31	2⅞	18¼	70½	15.86	25.40	41.26	.45
	750	127	795	¾	2	17	4.09	100	23.97	2⅞	26⅜	100½	22.61	34.55	57.16	.45
	600	600	1010	¾	1¾	27	6.49	27	6.49	2⅝	13⅛	46½	9.30	16.65	25.95	.40
	600	121	637	¾	2½	17	4.09	84	20.14	3⅜	22¼	85½	22.95	32.25	55.20	.53
	500	233	660	¾	2½	21	5.05	45	10.80	3 3/16	14¼	54	14.58	22.60	37.18	.54
10	1800	613	1275	½	4	17	2.74	50	8.03	4⅝	9¾	37	16.10	15.95	32.05	.87
	1800	450	1275	½	4	17	2.74	68	10.91	4⅝	12⅛	47	20.45	18.95	39.40	.87
	1800	365	1275	½	4	17	2.74	84	13.48	4⅝	14⅞	57	24.80	21.75	46.55	.87
	1800	306	1275	½	4	17	2.74	100	16.04	4⅝	17½	67	29.15	24.70	53.85	.87
	1350	945	1190	½	4	21	3.38	30	4.82	4⅝	8	29	12.62	14.35	26.97	.87
	1350	510	1200	⅝	3	17	3.42	45	9.02	3 11/16	11 3/16	42½	13.81	17.45	31.26	.65
	1350	460	1200	⅝	3	17	3.42	50	10.02	3 11/16	12⅛	46¼	15.03	18.50	33.53	.65
	1350	382	1200	⅝	3	17	3.42	60	12.02	3 11/16	14⅛	53¾	17.46	20.70	38.16	.65
	1350	273	1200	⅝	3	17	3.42	84	16.82	3 11/16	18 9/16	71¼	23.25	26.10	49.35	.65
	1200	836	1150	½	4	23	3.70	33	5.30	4⅝	8⅞	32	13.92	15.60	29.52	.87
	1200	507	1190	⅝	3	19	3.82	45	9.02	3 11/16	11⅜	43¾	14.22	18.30	32.52	.65
	1200	408	1270	¾	2½	17	4.09	50	11.99	3⅜	14½	55½	14.99	22.15	37.14	.54
	1200	340	1270	¾	2½	17	4.09	60	14.39	3⅜	16⅞	64½	17.42	24.85	42.27	.54
	1200	243	1270	¾	2½	17	4.09	84	20.14	3⅜	22¼	85½	23.09	32.25	55.34	.54
	1200	204	1270	¾	2½	17	4.09	100	23.97	3⅜	26⅜	100½	27.14	37.10	64.24	.54
	900	460	1080	⅝	3	23	4.62	45	9.02	3⅜	12¼	46¼	15.03	20.00	35.03	.65
	900	311	1070	¾	2½	19	4.57	55	13.19	3 11/16	15½	60	16.20	24.45	40.65	.54
	900	228	1070	¾	2½	19	4.57	75	17.98	3⅜	20¼	78	21.06	30.15	51.21	.54
	900	190	1070	¾	2½	19	4.57	90	21.58	3⅜	23¾	91½	24.70	34.90	59.60	.54
	900	155	1070	¾	2½	19	4.57	110	26.37	3⅜	29⅛	111	29.97	41.05	71.02	.54
	800	408	1150	¾	2½	23	5.53	45	10.80	3⅜	14⅝	55½	14.99	23.70	38.69	.54
	800	302	1140	1	2	17	5.46	45	14.39	3⅜	17⅞	68	16.32	24.90	41.22	.48
	800	272	1140	1	2	17	5.46	50	15.99	2¾	19½	74	17.76	26.85	44.61	.48
	800	200	1140	1	2	17	5.46	68	21.74	2¾	24¼	94	22.56	33.80	56.36	.48
	800	162	1140	1	2	17	5.46	84	26.85	2¾	29¾	114	27.36	40.05	67.41	.48
	700	265	1110	1	2	19	6.10	50	15.99	2¾	19	74	17.76	27.95	45.71	.48
	700	242	1110	1	2	19	6.10	55	17.59	2¾	20⅝	80	19.20	29.75	48.95	.48
	700	177	1110	1	2	19	6.10	75	23.98	2¾	27	104	24.96	37.55	62.51	.48
	700	121	1110	1	2	19	6.10	110	35.16	2¾	38⅞	148	35.52	52.35	87.87	.48
	500	141	710	1	2½	17	5.46	60	19.18	3¼	22⅝	86	24.94	32.95	57.89	.58
	500	125	710	1	2½	17	5.46	68	21.74	3¼	24¼	94	27.26	36.50	63.76	.58
	500	101	710	1	2½	17	5.46	84	26.85	3¼	29¾	114	33.06	43.35	76.41	.58
	500	85	710	1	2½	17	5.46	100	31.96	3¼	35⅛	134	38.86	50.80	89.66	.58

Prices Subject to Discount.

Standard Motor Drives—Continued

Horse Power	Working Speed Drive R. R P M	Working Speed Drive N. R P M	Chain Speed F P M	Chain		DriveR		DriveN		Wheel Face, Inches	Minimum Advisable **Centers**, Inches, Approximate	Chain Length, Inches, Nominal	List Prices			Add to List Price for each Additional Inch of Center Distance
				Pitch, Inches	Width, Inches	Teeth	Diam., Inches	Teeth	Diam., Inches				Chain	Wheels and Wire Flanges	Total	
15	1800	928	1275	½	6	17	2.74	33	5.30	6⅝	8⅛	29	$18.40	$15.40	$33.82	$1.27
	1800	510	1275	½	6	17	2.74	60	9.63	6⅝	11¼	43	27.31	20.90	48.21	1.27
	1800	365	1275	½	6	17	2.74	84	13.48	6⅝	14⅞	57	35.20	25.95	61.15	1.27
	1350	920	1200	⅝	5	17	3.42	25	5.02	5¾	8⅜	30	15.45	20.80	36.25	1.03
	1350	460	1200	⅝	5	17	3.42	50	10.02	5¾	12⅛	46¼	23.82	22.50	46.32	1.03
	1350	273	1200	⅝	5	17	3.42	84	16.82	5¾	18 9/16	71¼	36.69	32.30	68.99	1.03
	925	925	1110	⅝	5	23	4.62	23	4.62	5¾	9⅝	33¾	17.38	23.00	40.38	1.03
	925	473	1110	⅝	5	23	4.62	45	9.02	5¾	12¼	46¼	23.82	24.90	48.72	1.03
	825	312	875	¾	4	17	4.09	45	10.80	4⅞	13⅜	51	20.91	24.75	45.66	.82
	825	280	875	¾	4	17	4.09	50	11.99	4⅞	14½	55½	22.76	26.50	49.26	.82
	825	234	875	¾	4	17	4.09	60	14.39	4⅞	16⅞	64½	26.45	29.90	56.35	.82
	825	167	875	¾	4	17	4.09	84	20.14	4⅞	22¼	85½	35.06	38.75	73.81	.82
	825	140	875	¾	4	17	4.09	100	23.97	4⅞	26⅜	100½	41.21	45.05	86.26	.82
	700	1000	1210	⅝	5	33	6.62	23	4.62	5¾	11⅛	40	20.60	21.40	42.00	1.03
	700	327	925	¾	4	21	5.05	45	10.80	4⅞	14¼	54	22.14	27.35	49.49	.82
	700	265	835	¾	4	19	4.57	50	11.99	4⅞	14¼	55½	22.76	27.75	50.51	.82
	700	196	835	¾	4	19	4.57	68	16.31	4⅞	18⅝	72	29.52	34.05	63.57	.82
	700	177	835	¾	4	19	4.57	75	17.98	4⅞	20¼	78	31.98	36.50	68.48	.82
	700	133	835	¾	4	19	4.57	100	23.97	4⅞	26¾	102	41.82	46.30	88.12	.82
	700	121	835	¾	4	19	4.57	110	26.37	4⅞	29⅛	111	45.51	50.10	95.61	.82
	500	715	1250	1	3	30	9.61	21	6.74	3¾	16⅛	58	19.72	25.35	45.07	.68
	500	500	1130	1	3	27	8.65	27	8.65	3¾	17½	62	21.08	24.15	45.23	.68
20	1125	1125	1115	⅝	6	19	3.82	19	3.82	6¾	7¾	27½	17.33	18.70	36.03	1.26
	1125	765	1192	¾	5	17	4.09	25	6.01	5⅞	10	36	17.82	26.15	43.97	.99
	1125	580	1192	¾	5	17	4.09	33	7.92	5⅞	12 3/16	43½	21.53	22.90	44.43	.99
	1125	425	1192	¾	5	17	4.09	45	10.80	5⅞	13⅜	51	25.25	27.40	52.65	.99
	1125	281	1192	¾	5	17	4.09	68	16.31	5⅞	18¼	70½	34.90	36.50	71.40	.99
	1125	227	1192	¾	5	17	4.09	84	20.14	5⅞	22¼	85½	42.33	43.25	85.58	.99
	1125	191	1192	¾	5	17	4.09	100	23.97	5⅞	26⅜	100½	49.74	50.30	100.04	.99
	900	900	1180	¾	5	21	5.05	21	5.05	5⅞	10	36	17.82	25.45	43.27	.99
	900	475	1070	¾	5	19	4.57	36	8.64	5⅞	12¾	46½	23.02	25.00	48.02	.99
	900	251	1070	¾	5	19	4.57	68	16.31	5⅞	18⅝	72	35.64	37.45	73.09	.99
	900	190	1070	¾	5	19	4.57	90	21.58	5⅞	23¾	91½	45.30	46.85	92.15	.99
	900	155	1070	¾	5	19	4.57	110	26.37	5⅞	29⅛	111	54.95	55.50	110.45	.99
	750	520	1180	¾	5	25	6.01	36	8.64	5⅞	13⅛	49½	24.10	30.90	55.00	.99
	750	314	1085	¾	5	23	5.53	55	13.19	5⅞	16⅜	63	31.19	36.25	67.44	.99
	600	600	1200	¾	5	33	7.92	33	7.92	5⅞	16	57	28.22	26.25	54.47	.99
	600	250	1150	1	4	23	7.37	55	17.58	4¾	21¾	84	36.96	44.00	80.96	.88
	600	204	850	1	4	17	5.46	50	15.99	4¾	19½	74	32.56	35.45	68.01	.88
	600	121	850	1	4	17	5.46	84	26.85	4¾	29¾	114	50.16	53.45	103.61	.88
	600	102	850	1	4	17	5.46	100	31.96	4¾	35⅛	134	58.96	62.70	121.66	.88
	500	950	1115	¾	5	36	8.64	19	4.57	5⅞	12¾	46½	23.02	24.35	47.37	.99
	500	140	800	1	4	19	6.10	68	21.74	4¾	25	96	42.24	46.50	88.74	.88
	500	127	800	1	4	19	6.10	75	23.98	4¾	27	104	45.76	50.25	96.01	.88
	500	95	800	1	4	19	6.10	100	31.96	4¾	35¾	136	59.84	64.50	124.34	.88
	500	86	800	1	4	19	6.10	110	35.16	4¾	38⅞	148	65.12	70.40	135.52	.88
25	900	420	1190	¾	6	21	5.05	45	10.80	6⅞	14¼	54	31.32	33.70	65.02	1.16
	900	254	1275	1	4	17	5.46	60	19.18	4¾	22⅝	86	37.84	40.40	78.24	.88
	900	225	1275	1	4	17	5.46	68	21.74	4¾	24¼	94	41.36	44.70	86.06	.88
	900	182	1275	1	4	17	5.46	84	26.85	4¾	29¾	114	50.16	53.45	103.61	.88
	900	153	1275	1	4	17	5.46	100	31.96	4¾	35⅛	134	58.96	62.70	121.66	.88
	720	302	1265	1	4	21	6.74	50	15.99	4¾	20½	78	34.32	39.30	73.62	.88
	720	252	1265	1	4	21	6.74	60	19.18	4¾	22¾	88	38.72	44.25	82.97	.88
	720	204	1020	1	5	17	5.46	60	19.18	5¾	22⅝	86	46.44	45.30	91.74	1.08
	720	146	1020	1	5	17	5.46	84	26.85	5¾	29¾	114	61.56	60.05	121.61	1.08
	720	122	1020	1	5	17	5.46	100	31.96	5¾	35⅛	134	72.36	70.55	142.91	1.08

Prices Subject to Discount.

Standard Motor Drives—Continued

Horse Power	Working Speed Drive R. R P M	Working Speed Drive N. R P M	Chain Speed F P M	Chain		DriveR		DriveN		Wheels Face, Inches	Minimum Advisable **Centers**, Inches, Approximate	Chain Length, Inches, Nominal	**List Price**			Add to List Price for each Additional Inch of Center Distance
				Pitch, Inches	Width, Inches	Teeth	Diam., Inches	Teeth	Diam., Inches				Chaio	Wheels and Wire Flanges	Total	
35	900	612	1275	1	6	17	5.46	25	8.01	6 13/16	13⅜	48	$ 30.72	$ 39.45	$ 70.17	$1.28
	900	340	1275	1	6	17	5.46	45	14.39	6 13/16	17⅞	68	43.52	40.75	84.27	1.28
	900	306	1275	1	6	17	5.46	50	15.99	6 13/16	19½	74	47.36	44.05	91.41	1.28
	900	178	1275	1	6	17	5.46	84	26.85	6 13/16	29¾	114	72.96	66.80	139.76	1.28
	900	153	1275	1	6	17	5.46	100	31.96	6 13/16	35⅛	134	85.76	78.50	164.26	1.28
	750	283	1330	1¼	4	17	6.82	45	17.98	5	22⅜	85	43.35	48.30	91.65	1.02
	750	254	1330	1¼	4	17	6.82	50	19.97	5	24⅜	92½	47.17	52.25	99.42	1.02
	750	213	1330	1¼	4	17	6.82	60	23.96	5	28¼	107½	54.82	59.75	114.57	1.02
	750	152	1330	1¼	4	17	6.82	84	33.54	5	37⅛	142½	72.67	79.25	151.92	1.02
	750	127	1330	1¼	4	17	6.82	100	39.92	5	43⅞	167½	85.42	92.80	178.22	1.02
	500	500	1130	1	6	27	8.65	27	8.65	6 13/16	17½	62	39.68	32.05	71.73	1.28
	500	350	1200	1¼	5	23	9.21	33	13.19	6	22¼	80	50.40	57.75	108.15	1.26
	500	210	1100	1¼	5	21	8.41	50	19.97	6	25¾	97½	61.43	66.80	128.23	1.26
	500	158	1000	1¼	5	19	7.62	60	23.96	6	29	110	69.30	71.20	140.50	1.26
	500	127	995	1¼	5	19	7.62	75	29.95	6	33¾	130	81.90	84.85	166.75	1.26
	500	106	995	1¼	5	19	7.62	90	35.93	6	39⅝	152½	96.07	98.90	194.97	1.26
	500	86	995	1¼	5	19	7.62	110	43.91	6	48⅝	185	116.55	118.35	234.90	1.26
50	900	612	1275	1	8	17	5.46	25	8.01	8 13/16	13⅜	48	40.56	34.25	74.81	1.69
	900	306	1275	1	8	17	5.46	50	15.99	8 13/16	19½	74	62.53	52.50	115.03	1.69
	900	254	1275	1	8	17	5.46	60	19.18	8 13/16	22⅝	86	76.67	60.20	136.87	1.69
	900	182	1275	1	8	17	5.46	84	26.85	8 13/16	29¾	114	96.33	80.10	176.43	1.69
	900	153	1275	1	8	17	5.46	100	31.96	8 13/16	35⅛	134	113.23	94.30	207.53	1.69
	800	304	1270	1	8	19	6.10	50	15.99	8 13/16	19	74	62.53	55.50	118.03	1.69
	800	253	1270	1	8	19	6.10	60	19.18	8 13/16	23¼	88	74.36	63.00	137.36	1.69
	800	203	1270	1	8	19	6.10	75	23.98	8 13/16	27	104	87.88	75.75	163.63	1.69
	800	169	1270	1	8	19	6.10	90	28.77	8 13/16	31½	122	103.09	88.70	191.79	1.69
	800	138	1270	1	8	19	6.10	110	35.16	8 13/16	38⅞	148	125.06	106.35	231.41	1.69
	750	510	1065	1	9	17	5.46	25	8.01	9 13/16	13⅜	48	45.60	37.00	82.60	1.90
	750	213	1065	1	9	17	5.46	60	19.18	9 13/16	22⅝	86	81.70	65.15	146.85	1.90
	750	187	1065	1	9	17	5.46	68	21.74	9 13/16	24¼	94	89.33	72.25	161.58	1.90
	750	152	1065	1	9	17	5.46	84	26.85	9 13/16	29¾	114	108.30	86.75	195.05	1.90
	750	127	1065	1	9	17	5.46	100	31.96	9 13/16	35⅛	134	127.30	102.20	229.50	1.90
	650	650	1250	1	8	23	7.37	23	7.37	8 13/16	15½	54	45.63	55.50	101.13	1.69
	650	272	1250	1	8	23	7.37	55	17.59	8 13/16	21⅝	84	70.98	67.25	138.23	1.69
	650	221	1150	1¼	6	17	6.82	50	19.97	7	24⅜	92½	69.38	65.85	135.23	1.50
	650	162	1150	1¼	6	17	6.82	68	27.15	7	30⅜	117½	88.12	83.35	171.47	1.50
	650	133	1150	1¼	6	17	6.82	84	33.54	7	37⅛	142½	106.88	100.10	206.98	1.50
	650	110	1150	1¼	6	17	6.82	100	39.92	7	43⅞	167½	125.63	117.20	242.83	1.50
	500	500	1200	1¼	6	23	9.21	23	9.21	7	19⅜	67½	50.62	75.15	125.77	1.50
	500	256	1200	1¼	6	23	9.21	45	17.98	7	24⅜	92½	69.38	75.95	145.33	1.50
	500	209	1200	1¼	6	23	9.21	55	21.97	7	27¼	105	78.75	85.40	164.15	1.50
	500	170	1065	1½	5	17	8.19	50	23.98	6	29¼	111	81.03	79.20	160.23	1.46
	500	141	1065	1½	5	17	8.19	60	28.77	6	34	129	94.17	91.10	185.27	1.46
	500	125	1065	1½	5	17	8.19	68	32.16	6	36½	141	102.93	101.10	204.03	1.46
	500	101	1065	1½	5	17	8.19	84	40.28	6	44½	171	124.83	121.75	246.58	1.46
	500	85	1065	1½	5	17	8.19	100	47.95	6	52¾	201	146.73	143.30	290.03	1.46
	300	300	1020	1½	5	27	12.97	27	12.97	6	26¼	93	67.89	54.20	142.09	1.46
	300	147	1020	1½	5	27	12.97	55	26.38	6	33	129	94.17	85.70	179.87	1.46
	300	126	790	1½	6	21	10.11	50	23.98	7	31	117	101.79	101.85	203.64	1.74
	300	105	790	1½	6	21	10.11	60	28.77	7	34¼	132	114.84	115.15	229.99	1.74
	300	75	790	1½	6	21	10.11	84	40.28	7	46½	177	153.99	149.40	303.39	1.74
	300	63	716	1½	7	19	9.15	90	43.15	8	47⅝	183	185.75	167.70	353.45	2.03
	300	52	716	1½	7	19	9.15	110	52.74	8	58⅜	222	225.33	201.10	426.43	2.03

Prices Subject to Discount.

Standard Motor Drives—Continued

Horse Power	Working Speed Drive R. R P M	Working Speed Drive N. R P M	Chain Speed F P M	Chain		DriveR		DriveN		Wheel, Face, Inches	Minimum Advisable **Centers**, Inches, Approximate	Chain Length, Inches, Nominal	**List Prices**			Add to List Price for each Additional Inch of Center Distance
				Pitch, Inches	Width, Inches	Teeth	Diam., Inches	Teeth	Diam., Inches				Chain	Wheels and Wire Flanges	Total	
75	900	464	1275	1	12	17	5.46	33	10.56	$12\frac{13}{16}$	16¼	58	$ 66.70	$ 52.40	$119.10	$2.30
	900	255	1275	1	12	17	5.46	60	19.18	$12\frac{13}{16}$	22⅝	86	98.90	80.00	178.90	2.30
	900	182	1275	1	12	17	5.46	84	26.85	$12\frac{13}{16}$	29¾	114	131.10	107.00	238.10	2.30
	900	153	1275	1	12	17	5.46	100	31.96	$12\frac{13}{16}$	35⅛	134	154.10	125.90	280.00	2.30
	750	284	1065	1	14	17	5.46	45	14.39	$14\frac{13}{16}$	17⅞	68	87.38	72.15	159.53	2.57
	750	255	1065	1	14	17	5.46	50	15.99	$14\frac{13}{16}$	19½	74	95.00	77.85	172.85	2.57
	750	188	1065	1	14	17	5.46	68	21.74	$14\frac{13}{16}$	24¼	94	120.79	99.75	220.54	2.57
	750	152	1065	1	14	17	5.46	84	26.85	$14\frac{13}{16}$	29¾	114	146.49	121.40	267.89	2.57
	750	128	1065	1	14	17	5.46	100	31.96	$14\frac{13}{16}$	35⅛	134	172.19	141.70	313.89	2.57
	600	600	1250	1	12	25	8.01	25	8.01	$12\frac{13}{16}$	16½	58	66.90	45.60	112.50	2.31
	600	316	1195	1¼	9	19	7.62	36	14.39	10	21¼	77½	87.19	73.40	160.59	2.25
	600	207	1195	1¼	9	19	7.62	55	21.97	10	25¾	100	112.50	96.65	209.15	2.25
	600	167	1195	1¼	9	19	7.62	68	27.15	10	31¼	120	135.00	113.55	248.55	2.25
	600	152	1195	1¼	9	19	7.62	75	29.95	10	33¾	130	146.25	122.80	269.05	2.25
	600	114	1195	1¼	9	19	7.62	100	39.92	10	44¾	170	191.25	158.10	349.35	2.25
	600	104	1195	1¼	9	19	7.62	110	43.91	10	48⅝	185	208.12	172.30	380.42	2.25
	500	500	1200	1¼	9	23	9.21	23	9.21	10	19⅜	67½	75.94	103.95	179.89	2.25
	†500	316	1195	1½	7	19	9.15	30	14.41	8	23¼	84	93.66	77.50	171.16	2.23
	*500	190	1195	1½	7	19	9.15	50	23.98	8	28½	111	112.66	105.20	217.86	2.03
	500	158	1195	1½	7	19	9.15	60	28.78	8	34¾	132	133.98	119.90	253.88	2.03
	500	140	1195	1½	7	19	9.15	68	32.61	8	37¼	144	146.16	132.30	278.46	2.03
	500	106	1195	1½	7	19	9.15	90	43.15	8	47½	183	185.75	167.70	353.45	2.03
	500	86	1195	1½	7	19	9.15	110	52.74	8	58⅜	222	225.33	201.10	426.43	2.03
	300	430	1240	1½	7	33	15.84	23	11.06	8	26¾	96	97.44	97.75	195.19	2.03
	300	300	1240	1½	7	33	15.84	33	15.84	8	32	114	115.71	80.60	196.31	2.03
	300	209	865	1½	8	23	11.06	33	15.84	9	26¾	96	110.88	108.00	218.88	2.31
	300	153	865	1½	8	23	11.06	45	21.59	9	29¼	111	128.20	126.80	255.00	2.31
	300	95	716	1½	9	19	9.15	60	28.78	10	34¾	132	171.60	143.30	314.90	2.60
	300	76	716	1½	9	19	9.15	75	35.96	10	40½	156	202.80	171.20	374.00	2.60
	300	63	716	1½	9	19	9.15	90	43.15	10	47½	183	237.90	200.30	438.20	2.60
	300	52	716	1½	9	19	9.15	110	52.74	10	58⅜	222	288.60	240.00	528.60	2.60
100	750	284	1340	1¼	12	17	6.83	45	17.98	13	22⅜	85	116.45	99.00	215.45	2.74
	750	255	1340	1¼	12	17	6.83	50	19.97	13	24⅜	92½	126.72	106.60	233.32	2.74
	750	187	1340	1¼	12	17	6.83	68	27.15	13	30⅜	117½	160.97	135.30	296.27	2.74
	750	152	1340	1¼	12	17	6.83	84	33.54	13	37⅛	142½	195.22	162.05	357.27	2.74
	750	128	1340	1¼	12	17	6.83	100	39.92	13	43⅞	167½	219.47	190.60	410.07	2.74
	575	575	1260	1¼	12	21	8.41	21	8.41	13	16¾	60	82.20	111.75	193.95	2.74
	575	296	1220	1½	9	17	8.20	33	15.84	10	24⅜	87	113.10	88.75	201.85	2.60
	575	218	1220	1½	9	17	8.20	45	21.59	10	26¾	102	132.60	108.45	241.05	2.60
	575	195	1220	1½	9	17	8.20	50	23.98	10	29¼	111	144.30	117.10	261.40	2.60
	575	144	1220	1½	9	17	8.20	68	32.61	10	36½	141	183.30	149.35	332.65	2.60
	575	116	1220	1½	9	17	8.20	84	40.27	10	44½	171	222.30	179.65	401.95	2.60
	575	98	1220	1½	9	17	8.20	100	47.94	10	52¾	201	261.30	211.30	472.60	2.60
	450	450	1180	1½	9	21	10.11	21	10.11	10	20	72	93.60	119.45	213.05	2.60
	450	317	1430	2	7	19	12.16	27	17.24	$8\frac{5}{16}$	30¾	108	127.98	121.85	249.83	2.37
	450	171	1430	2	7	19	12.16	50	31.88	$8\frac{5}{16}$	38⅛	148	175.38	175.85	351.23	2.37
	450	142	1430	2	7	19	12.16	60	38.24	$8\frac{5}{16}$	46½	176	208.56	201.00	409.56	2.37
	450	114	1430	2	7	19	12.16	75	47.80	$8\frac{5}{16}$	53⅞	208	246.48	239.75	486.23	2.37
	450	95	1430	2	7	19	12.16	90	57.35	$8\frac{5}{16}$	63¼	244	289.14	281.40	570.54	2.37
	450	77	1430	2	7	19	12.16	110	70.09	$8\frac{5}{16}$	77⅞	296	350.76	338.80	689.56	2.37
	300	300	1240	1½	9	33	15.84	33	15.84	10	32	114	148.20	94.80	243.00	2.60
	300	153	1150	2	7	23	14.70	45	28.69	$8\frac{5}{16}$	39¼	148	175.38	192.90	368.28	2.37
	300	138	1150	2	7	23	14.70	50	31.88	$8\frac{5}{16}$	40¼	156	184.86	205.35	390.21	2.37
	300	95	955	2	8	19	12.16	60	38.24	$9\frac{5}{16}$	46⅜	176	240.24	219.95	460.19	2.73
	300	84	955	2	8	19	12.16	68	43.34	$9\frac{5}{16}$	50	192	262.08	243.90	505.98	2.73
	300	76	955	2	8	19	12.16	75	47.80	$9\frac{5}{16}$	53⅞	208	283.92	263.95	547.87	2.73
	300	57	955	2	8	19	12.16	100	63.72	$9\frac{5}{16}$	71⅝	272	371.28	341.00	712.28	2.73
	300	52	955	2	8	19	12.16	110	70.09	$9\frac{5}{16}$	77⅞	296	404.04	372.40	776.44	2.73

Prices Subject to Discount.

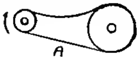
Standard Motor Drives—Continued

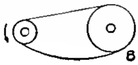
Horse Power	Working Speed Drive R. R P M	Working Speed Drive N. R P M	Chain Speed F P M	Chain		DriveR		DriveN		Wheels Face, Inches	Minimum Advisable **Centers,** Inches, Approximate	Chain Length, Inches, Nominal	**List Prices**			Add to List Price for each Additional Inch of Center Distance
				Pitch, Inches	Width, Inches	Teeth	Diam., Inches	Teeth	Diam., Inches				Chain	Wheels and Wire Flanges	Total	
150	750	255	1340	1¼	18	17	6.83	50	19.97	19	24⅜	92½	$161.41	$153.00	$314.41	$3.49
	750	116	1340	1¼	18	17	6.83	110	43.92	19	47⅞	182½	318.46	298.90	617.36	3.49
	600	309	1270	1½	14	17	8.20	33	15.84	15	24⅜	87	151.38	130.70	282.08	3.48
	600	204	1270	1½	14	17	8.20	50	23.98	15	29¼	111	193.14	165.15	358.29	3.48
	600	121	1270	1½	14	17	8.20	84	40.27	15	44½	171	297.54	265.10	562.64	3.48
	600	92	1270	1½	14	17	8.20	110	52.74	15	57⅜	219	381.06	341.20	722.26	3.48
	375	198	1190	2	10	19	12.16	36	22.96	11 5/16	34¼	124	212.62	196.00	408.62	3.43
	375	129	1190	2	10	19	12.16	55	35.06	11 5/16	41¼	160	274.40	261.00	535.40	3.43
	375	95	1190	2	10	19	12.16	75	47.80	11 5/16	53⅞	208	356.72	333.60	690.32	3.43
	375	65	1190	2	10	19	12.16	110	70.09	11 5/16	77⅞	296	507.64	471.05	978.69	3.43
200	600	316	1440	1½	18	19	9.15	36	17.28	19	25¾	93	189.25	186.45	375.70	4.07
	600	207	1440	1½	18	19	9.15	55	26.38	19	31¼	120	244.20	243.85	488.05	4.07
	600	152	1440	1½	18	19	9.15	75	35.96	19	40½	156	317.46	310.50	627.96	4.07
	600	103	1440	1½	18	19	9.15	110	52.74	19	58⅜	222	451.77	433.90	885.67	4.07
	450	237	1425	2	12	19	12.16	36	22.96	13 5/16	34¼	124	256.68	225.30	481.98	4.14
	450	171	1425	2	12	19	12.16	50	31.88	13 5/16	38⅛	148	306.36	279.35	585.71	4.14
	450	126	1425	2	12	19	12.16	68	43.34	13 5/16	50	192	397.44	352.60	750.04	4.14
	450	114	1425	2	12	19	12.16	75	47.80	13 5/16	53⅞	208	430.56	381.95	812.51	4.14
	450	78	1425	2	12	19	12.16	110	70.09	13 5/16	77⅞	296	612.72	538.25	1150.97	4.14
	300	300	1150	2	14	23	14.70	23	14.70	15 5/16	31	108	262.98	363.70	636.68	4.87
	300	210	1050	2	14	21	13.43	30	22.96	15 5/16	32¼	116	282.46	256.35	538.81	4.87
	300	140	1050	2	14	21	13.43	45	28.69	15 5/16	38	144	350.64	318.95	669.59	4.87
	300	75	1050	2	14	21	13.43	84	53.53	15 5/16	62	236	573.66	500.20	1073.86	4.87
	300	52	950	2	15	19	12.16	110	70.09	16 5/16	77⅞	296	777.60	607.55	1385.15	5.25
350	450	237	1425	2	22	19	12.16	36	22.96	23 5/16	34¼	124	497.24	372.10	869.34	8.07
	450	152	1425	2	22	19	12.16	50	31.88	23 5/16	38⅛	148	593.48	458.30	1051.78	8.02
	450	114	1425	2	22	19	12.16	75	47 80	23 5/16	53⅞	208	834.08	623.95	1458.03	8.07
	450	78	1425	2	22	19	12.16	110	70.09	23 5/16	77⅞	296	1186.96	874.25	2061.21	8.07
	320	224	1360	2½	16	21	16.77	30	23.92	18	40¼	145	550.28	460.85	1011.13	7.59
	320	149	1360	2½	16	21	16.77	45	35.84	18	47½	180	684 10	566.15	1250.25	7.59
	320	80	1360	2½	16	21	16.77	84	66.86	18	77¼	295	1119.94	872.40	1992.34	7.59
	320	55	1270	2½	18	19	15.19	110	87.55	20	97¼	370	1603.95	1147.75	2751.70	8.67
500	320	224	1360	2½	23	21	16.77	30	23.92	25	40¼	145	825.05	633.75	1458.80	11.38
	320	149	1360	2½	23	21	16.77	45	35.84	25	47½	180	1024.20	774.60	1798.80	11.38
	320	80	1360	2½	23	21	16.77	84	66.86	25	77¼	295	1678.55	1184.45	2863.00	11.38
	320	55	1270	2½	24	19	15.19	110	87.55	26	97¼	370	2205.20	1462.15	3667.35	11.92

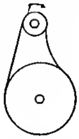
Prices Subject to Discount.

Relative Positions of Wheels

Link-Belt Silent Chain Drives will operate satisfactorily with almost any proportion and relative position of wheels, and with the slack either on upper or lower side. The following cuts, A, B, C and D, show *good practice.*


A


B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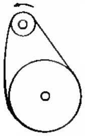
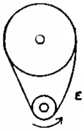
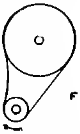
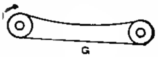

D

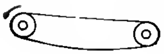
When the center of the large wheel is directly over that of the smaller, as in E, the drive cannot be run with much slack in the chain. As a chain elongates with wear, it will be necessary to make frequent adjustments of center distance, or use an adjustable idler on the back of the chain to take out the slack and preserve proper contact of chain with small wheel.


E

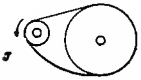
If this drive can be slightly inclined, as at F, it will require less care and adjustment.

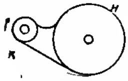

F


G


H

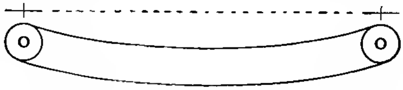
With horizontal drives having small wheels, it is preferable to have the slack on the bottom, as at H, rather than on top, as at G, for if the slack is allowed to accumulate, the chain is damaged by striking one strand against the other.

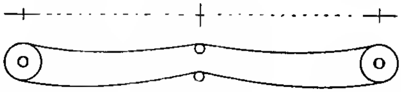

J

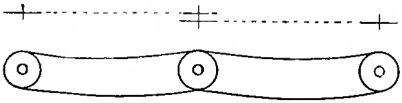

K

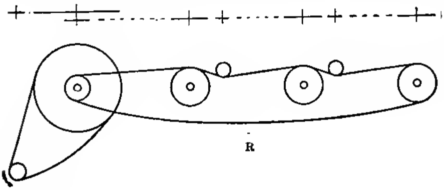
In horizontal or inclined drives with short centers, the slack should be on the bottom, as at J, for the accumulation of slack on top, as at K, would cause the chain to pinch between the wheels.

When the center distances are greater than about 25 feet, as at M, the chains should be supported by idlers, as at N, or, preferably, the drive may be divided into two drives, as at P.

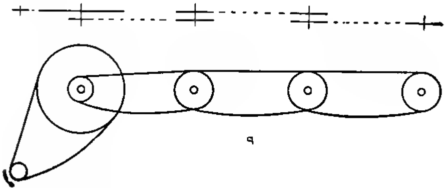
M


N





R

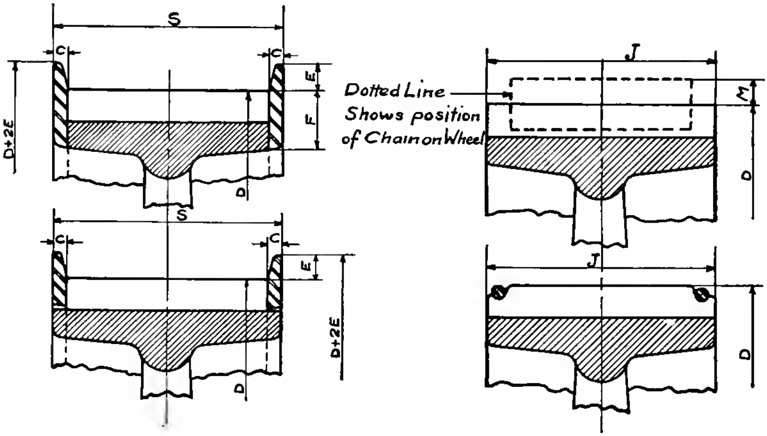
When it is desired to drive a number of shafts or rollers in parallel, if a single strand of chain is used, employ holding down idlers on the back of the chain, as at R.


S

It is preferable, however, to use individual short drives, as at S.

Wheel Rim Dimensions

In Inches (Approximate)

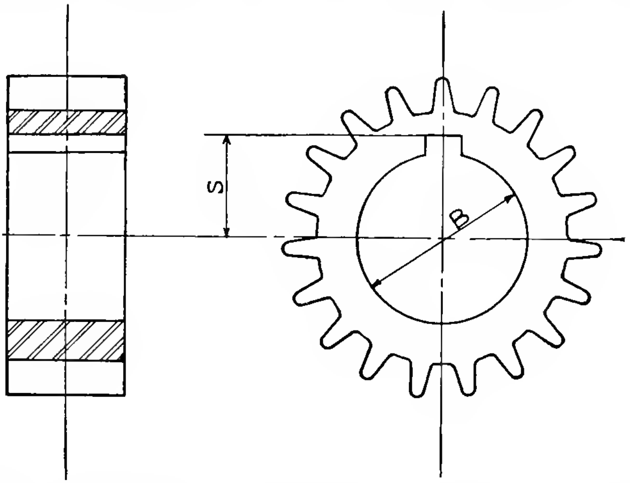


Size of Chain		Face of wheel without flanges, and with wire flanges	Total face of plate flanged wheels	Thickness of plate flanges	Projection of plate flange beyond teeth of wheel	Thickness of Rim (including Teeth)	Projection of chain beyond teeth of wheel	Width between plate flanges
Pitch	Nominal Width	J	S	C	E	F	M	B
3/8	1/2	1 1/32	15/16	3/32	3/16	1/2	.187	3/4
	3/4	1 9/32	1 3/16	3/32	3/16	1/2	.187	1
	1	1 17/32	1 7/16	3/32	3/16	1/2	.187	1 1/4
	1 1/4	1 25/32	1 11/16	3/32	3/16	1/2	.187	1 1/2
	1 1/2	2 1/32	1 15/16	3/32	3/16	1/2	.187	1 3/4
	2	2 17/32	2 7/16	3/32	3/16	1/2	.187	2 1/4
	3	3 17/32	3 7/16	3/32	3/16	1/2	.187	3 1/4
1/2	1/2	1 1/8	1	1/8	.2	9/16	.234	3/4
	3/4	1 3/8	1 1/4	1/8	.2	9/16	.234	1
	1	1 5/8	1 1/2	1/8	.2	9/16	.234	1 1/4
	1 1/2	2 1/8	2	1/8	.2	9/16	.234	1 3/4
	2	2 5/8	2 1/2	1/8	.2	9/16	.234	2 1/4
	3	3 5/8	3 1/2	1/8	.2	9/16	.234	3 1/4
	4	4 5/8	4 1/2	1/8	.2	9/16	.234	4 1/4

Wheel Rim Dimensions—Continued

Size of Chain		Face of wheel without flanges, and with wire flanges	Total face of plate flanged wheels	Thickness of plate flanges	Projection of plate flange beyond teeth of wheel	Thickness of rim (including teeth)	Projection of chain beyond teeth of wheel	Width between plate flanges
Pitch	Nominal Width	J	S	C	E	F	M	B
5/8	1	1 5/8	1 9/16	5/32	.25	11/16	.281	1 1/4
	1 1/4	1 7/8	1 13/16	5/32	.25	11/16	.281	1 1/2
	1 1/2	2 3/16	2 1/8	5/32	.25	11/16	.281	1 13/16
	2	2 11/16	2 5/8	5/32	.25	11/16	.281	2 5/16
	3	3 11/16	3 5/8	5/32	.25	11/16	.281	3 5/16
	4	4 3/4	4 11/16	5/32	.25	11/16	.281	4 3/8
	6	6 3/4	6 11/16	5/32	.25	11/16	.281	6 3/8
3/4	1	1 7/8	1 5/8	5/32	.3	7/8	.343	1 5/16
	1 1/2	2 3/8	2 1/8	5/32	.3	7/8	.343	1 13/16
	2	2 7/8	2 5/8	5/32	.3	7/8	.343	2 5/16
	3	3 7/8	3 5/8	5/32	.3	7/8	.343	3 5/16
	4	4 7/8	4 11/16	5/32	.3	7/8	.343	4 3/8
	5	5 7/8	5 11/16	5/32	.3	7/8	.343	5 3/8
	6	6 7/8	6 11/16	5/32	.3	7/8	.343	6 3/8
1	2	2 3/4	2 1/2	5/32	.4	1 1/8	.453	2 3/16
	2 1/2	3 1/4	3	5/32	.4	1 1/8	.453	2 11/16
	3	3 3/4	3 1/2	5/32	.4	1 1/8	.453	3 3/16
	4	4 3/4	4 1/2	5/32	.4	1 1/8	.453	4 3/16
	5	5 3/4	5 1/2	5/32	.4	1 1/8	.453	5 3/16
	6	6 13/16	6 9/16	5/32	.4	1 1/8	.453	6 1/4
	8	8 13/16	8 9/16	5/32	.4	1 1/8	.453	8 1/4
1 1/4	2	3	2 11/16	7/32	.5	1 3/8	.578	2 1/4
	3	4	3 11/16	7/32	.5	1 3/8	.578	3 1/4
	4	5	4 11/16	7/32	.5	1 3/8	.578	4 1/4
	5	6	5 11/16	7/32	.5	1 3/8	.578	5 1/4
	6	7	6 11/16	7/32	.5	1 3/8	.578	6 1/4
	8	9	8 11/16	7/32	.5	1 3/8	.578	8 1/4
	10	11	10 11/16	7/32	.5	1 3/8	.578	10 1/4
1 1/2	3	4	3 11/16	7/32	.6	1 5/8	.671	3 1/4
	4	5	4 11/16	7/32	.6	1 5/8	.671	4 1/4
	5	6	5 11/16	7/32	.6	1 5/8	.671	5 1/4
	6	7	6 11/16	7/32	.6	1 5/8	.671	6 1/4
	8	9	8 11/16	7/32	.6	1 5/8	.671	8 1/4
	10	11	10 11/16	7/32	.6	1 5/8	.671	10 1/4
	12	13	12 11/16	7/32	.6	1 5/8	.671	12 1/4
2	6	7 5/16	7	5/16	.85	2 1/16	.843	6 3/8
	8	9 5/16	9	5/16	.85	2 1/16	.843	8 3/8
	10	11 5/16	11	5/16	.85	2 1/16	.843	10 3/8
	12	13 5/16	13	5/16	.85	2 1/16	.843	12 3/8
	14	15 5/16	15	5/16	.85	2 1/16	.843	14 3/8
	16	17 5/16	17	5/16	.85	2 1/16	.843	16 3/8
2 1/2	6	8	7 7/8	7/16	1.25	2 1/2	1.25	7
	8	10	9 7/8	7/16	1.25	2 1/2	1.25	9
	10	12	11 7/8	7/16	1.25	2 1/2	1.25	11
	12	14	13 7/8	7/16	1.25	2 1/2	1.25	13
	14	16	15 7/8	7/16	1.25	2 1/2	1.25	15
	16	18	17 7/8	7/16	1.25	2 1/2	1.25	17

Maximum Bore For Silent Chain Wheels



Maximum Advisable Value of S, in Inches (Approximate)

No. of Teeth	PITCH OF PINION								
	3/8″	1/2″	5/8″	3/4″	1″	1 1/4″	1 1/2″	2″	2 1/2″
17	5/8	7/8	1 1/16	1 1/4	1 3/4	2 1/8	2 9/16	3 1/2	4 1/4
19	3/4	1	1 1/4	1 1/2	2	2 1/2	3 1/16	4 1/8	5
21	7/8	1 3/16	1 7/16	1 3/4	2 3/8	2 7/8	3 1/2	4 3/4	5 3/4
23	1	1 5/16	1 5/8	2	2 11/16	3 3/8	4	5 3/8	6 1/2
25	1 1/8	1 1/2	1 7/8	2 1/4	3	3 3/4	4 1/2	6	7 1/2
27	1 1/4	1 5/8	2 1/16	2 7/16	3 5/16	4 1/8	4 15/16	6 5/8	8 1/4

Maximum Advisable Bore — B, in Inches (Approximate)

(With LINK-BELT Standard Key Seat)

No. of Teeth	PITCH OF PINION								
	3/8″	1/2″	5/8″	3/4″	1″	1 1/4″	1 1/2″	2″	2 1/2″
17	1 1/16	1 3/8	1 3/4	2 1/16	2 5/8	3 3/8	4 3/16	5 3/4	7 1/8
19	1 1/4	1 5/8	2	2 3/8	3 5/16	4 1/8	5	6 5/8	8 3/8
21	1 3/8	1 7/8	2 3/8	2 3/4	3 3/4	4 7/8	5 7/8	7 5/8	9 7/8
23	1 5/8	2 1/8	2 5/8	3 1/4	4 3/8	5 7/16	6 3/4	8 15/16	11 3/8
25	1 13/16	2 3/8	3	3 5/8	4 7/8	6 1/4	7 3/8	10	13
27	2	2 5/8	3 3/8	4	5 3/8	6 7/8	8 3/16	11 1/4	14

Link-Belt Standard Key Seats

Dimensions in Inches.

Diameter of Shaft	Key Seat		Diameter of Shaft	Key Seat		Diameter of Shaft	Key Seat	
	Width	Depth		Width	Depth		Width	Depth
1/2-11/16	1/8	1/16	2 5/16-2 1/2	5/8	5/16	4 1/2-5 7/16	1 1/8	9/16
3/4-1 3/16	1/4	1/8	2 9/16-3 1/2	3/4	3/8	5 1/2-6 7/16	1 1/4	5/8
1 1/4-1 3/4	3/8	3/16	3 9/16-3 3/4	7/8	7/16	6 1/2-7 7/16	1 1/2	3/4
1 13/16-2 1/2	1/2	1/4	3 13/16-4 7/16	1	1/2	7 1/2-9 15/16	1 3/4	7/8

Taper for taper key is 1/8″ per foot; standard size at large end.

Reference Tables

Diameter in Inches Expressed in Feet of Circumference

(Diam. in Inches × .2618 = Circum. in Feet).

Dia. Inches	Circum. Feet	Dia. Inches	Circum. Feet	Dia. Inches	Circum. Feet	Dia. Inches	Circum. Feet	Dia. Inches	Circum Feet
1	.26	21	5.50	41	10.73	61	15.97	81	21.21
2	.52	22	5.76	42	10.99	62	16.23	82	21.47
3	.79	23	6.02	43	11.26	63	16.49	83	21.73
4	1.05	24	6.28	44	11.52	64	16.76	84	21.99
5	1.31	25	6.55	45	11.78	65	17.02	85	22.25
6	1.57	26	6.81	46	12.04	66	17.28	86	22.51
7	1.83	27	7.07	47	12.30	67	17.54	87	22.78
8	2.09	28	7.33	48	12.57	68	17.80	88	23.04
9	2.36	29	7.59	49	12.83	69	18.06	89	23.30
10	2.62	30	7.85	50	13.09	70	18.33	90	23.56
11	2.88	31	8.12	51	13.35	71	18.59	91	23.82
12	3.14	32	8.38	52	13.61	72	18.85	92	24.09
13	3.40	33	8.64	53	13.88	73	19.11	93	24.35
14	3.67	34	8.90	54	14.14	74	19.37	94	24.61
15	3.93	35	9.16	55	14.40	75	19.63	95	24.87
16	4.19	36	9.42	56	14.66	76	19.90	96	25.13
17	4.45	37	9.69	57	14.92	77	20.16	97	25.39
18	4.71	38	9.95	58	15.18	78	20.42	98	25.66
19	4.97	39	10.21	59	15.45	79	20.68	99	25.92
20	5.24	40	10.47	60	15.71	80	20.94	100	26.18

Inches expressed in decimals of a foot

In.	Ft.	In.	Ft.
½	.0417	6½	.5417
1	.0833	7	.5833
1½	.1250	7½	.6250
2	.1667	8	.6667
2½	.2083	8½	.7083
3	.2500	9	.7500
3½	.2917	9½	.7917
4	.3333	10	.8333
4½	.3750	10½	.8750
5	.4167	11	.9167
5½	.4583	11½	.9583
6	.5	12	1.

Decimal equivalents of fractions

1/64	.015625	17/64	.265625
1/32	.03125	9/32	.28125
3/64	.046875	19/64	.296875
1/16	**.0625**	**5/16**	**.3125**
5/64	.078125	21/64	.328125
3/32	.09375	11/32	.34375
7/64	.109375	23/64	.359375
1/8	**.125**	**3/8**	**.375**
9/64	.140625	25/64	.390625
5/32	.15625	13/32	.40625
11/64	.171875	27/64	.421875
3/16	**.1875**	**7/16**	**.4375**
13/64	.203125	29/64	.453125
7/32	.21875	15/32	.46875
15/64	.234375	31/64	.484375
1/4	**.25**	**1/2**	**.5**

Decimal equivalents of fractions

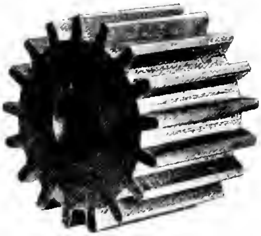
33/64	.515625	49/64	.765625
17/32	.53125	25/32	.78125
35/64	.546875	51/64	.796875
9/16	**.5625**	**13/16**	**.8125**
37/64	.578125	53/64	.828125
19/32	.59375	27/32	.84375
39/64	.609375	55/64	.859375
5/8	**.625**	**7/8**	**.875**
41/64	.640625	57/64	.890625
21/32	.65625	29/32	.90625
43/64	.671875	59/64	.921875
11/16	**.6875**	**15/16**	**.9375**
45/64	.703125	61/64	.953125
23/32	.71875	31/32	.96875
47/64	.734375	63/64	984375
3/4	**.75**		

The following multipliers give a convenient means of approximating weights.

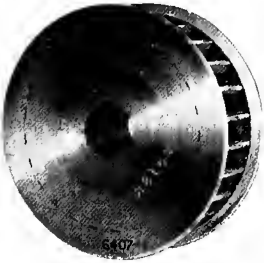
Approximate weights, in pounds

PITCH OF CHAIN	⅜	½	⅝	¾	1	1¼	1½	2	2½
Approximate weight per foot of **Chain,** per inch of width	1	1	1.1	1.2	1.6	1.9	2.2	3.2	4.8
For approximate weights of **Steel Pinions,** add Pitch and Face in inches, multiply this by the square of the number of teeth, and this product by the factor or—(P+F)×T×T× factor	.003	.005	.007	.01	.017	.026	.035	.07	.1
For approximate weights of **Cast Iron Wheels,** multiply the number of teeth by the nominal width of chain, in inches, and the product by	.09	.15	.25	.3	.5	.8	1.2	2.	2.4

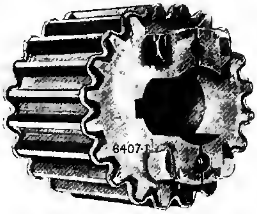
Wheel Types



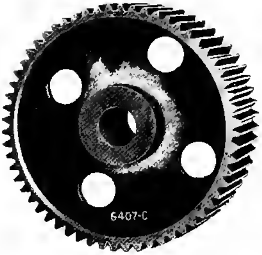
Type 2
Steel Pinion



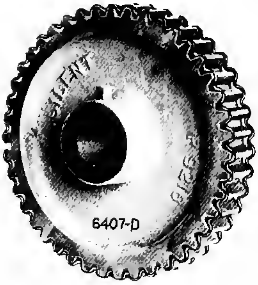
Type 2
Plate Flange



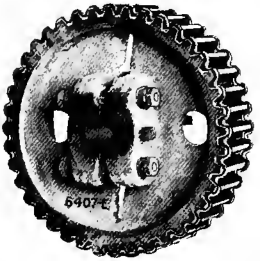
Type 2
Split Pinion,
Wire Flange



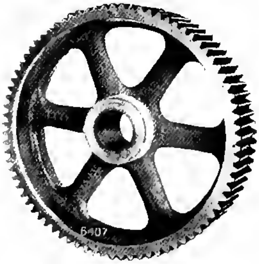
Type 3
Plate Center



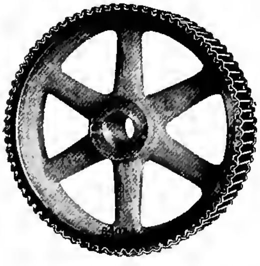
Type 3
Plate Center,
Wire Flange



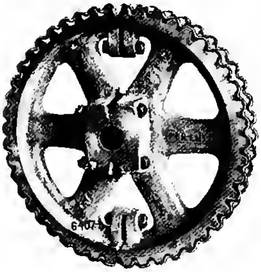
Type 3
Split Plate Center,
Wire Flange



Type 4
Plain Arm Wheel



Type 4
Arm Wheel,
Wire Flange



Type 4
Split Arm Wheel,
Wire Flange

The Price Lists

The following list prices apply to wheels of normal construction only; additional charges will be made for large bores or hubs, or constructions requiring special pattern or machine work, splitting, etc., (see pages 82 to 85).

Only those wheels for which we have patterns and on which we can make prompt delivery, are listed; quotations on other sizes furnished on application.

There are at least four items to be included in the total price of a drive:

1. The driving wheel;
2. The chain;
3. The driven wheel;
4. Flanges for the latter.

See pages 64 to 81.

Wire flanges are usually employed. We advise the use of plate flanges in cases where the flange is subjected to heavy service, such as on moving vehicles, and with wheels of less than 27 teeth.

The operation of the drive depends upon the wheels, as well as the chain, for which reason we have found it advisable to adhere to the policy of furnishing *complete* drives.

Exact information is necessary to a correct determination of the details of a drive. When this is furnished we guarantee its successful operation. Our responsibility is limited to our charge for the drive,

Order and inquiry forms enclosed. Duplicates on application.

We manufacture Link-Belt Silent Chain Drives at our Philadelphia works, and prices are quoted F. O. B. Philadelphia plant. Small drives in large quantities are manufactured at our Indianapolis plant, in which case the quotations are special, being dependent upon the quantity, and details of construction.

List Prices are subject to discount.

List Prices of Chains, Wheels and Flanges

3/8-INCH PITCH

Pitch Diameter, Inches	Type of Wheel, (see page 62)	Number of Teeth	Nominal Width of Chain							Add to Price of Wheel for Flanging	
			½″	¾″	1″	1¼″	1½″	2″	3″		
			List Prices of Chain per Foot, for Given Width								
			$ 1.50	$ 1.85	$ 2.20	$ 2.45	$ 2.72	$ 3.44	$ 4.80	Wire	Plate
			List Prices Cut Steel Pinions								
1.80	Type 2	15	$ 2.95	$ 3.05	$ 3.15	$ 3.25	$ 3.35	$ 3.50	$ 3.90	$ .95	$ 2.40
2.04		17	3.10	3.25	3.35	3.50	3.65	3.90	4.40	.95	2.40
2.28		19	3.30	3.45	3.60	3.75	3.90	4.25	4.80	1.00	2.40
2.52		21	3.50	3.70	3.85	4.05	4.25	4.60	5.35	1.05	2.45
2.75		23	3.75	3.95	4.15	4.40	4.60	5.05	5.90	1.10	2.50
			List Prices Cut Cast Iron Wheels								
2.99		25	3.85	3.90	3.95	4.00	4.05	4.20	4.40	1.15	2.55
3.11		26	3.85	3.90	4.00	4.05	4.10	4.25	4.50	1.15	2.60
3.23		27	3.90	3.95	4.05	4.10	4.15	4.30	4.55	1.20	2.60
3.35		28	3.95	4.00	4.10	4.15	4.20	4.35	4.60	1.20	2.65
3.47		29	4.00	4.05	4.15	4.20	4.25	4.40	4.70	1.20	2.65
3.59	Type 3	30	4.05	4.10	4.20	4.25	4.30	4.45	4.75	1.25	2.70
3.71		31	4.10	4.15	4.25	4.30	4.35	4.50	4.80	1.25	2.70
3.83		32	4.10	4.20	4.30	4.35	4.40	4.55	4.90	1.30	2.75
3.95		33	4.15	4.25	4.35	4.40	4.50	4.65	4.95	1.30	2.75
4.06		34	4.20	4.30	4.40	4.45	4.55	4.70	5.05	1.35	2.80
4.18		35	4.25	4.30	4.40	4.50	4.60	4.75	5.10	1.35	2.85
4.30		36	4.25	4.35	4.45	4.55	4.65	4.85	5.20	1.40	2.90
4.42		37	4.30	4.40	4.50	4.60	4.70	4.90	5.25	1.40	2.95
4.54		38	4.35	4.45	4.55	4.65	4.75	5.00	5.30	1.45	3.00
4.66		39	4.40	4.50	4.60	4.70	4.80	5.05	5.40	1.45	3.05
4.78		40	4.45	4.55	4 65	4.75	4.85	5.10	5 50	1.45	3.10
4.90		41	4.50	4.60	4.70	......	4.90	5.15	......	1.50	3.10
5.02		42	4.55	4.65	4.75	......	4.95	......	......	1.50	3.15
5.14		43	4.60	4.70	4.80	......	......	5.15	......	1.55	3.20
5.26		44	4.65	4.75	4.85	5.00	5.10	5.35	5.75	1.55	3 25
5.38		45	4.70	4.80	4.90	5.05	5.15	5.45	5.80	1.60	3.30
5.50		46	......	......	......	......	......	5.50	......	1.60	3.35
5.61		47	4.75	4.90	......	......	......	......	......	1.65	3.40
5.73		48	4.80	4.95	5.10	5.25	5.35	5.60	6.00	1.65	3.45
5.85		49	......	......	5.15	......	......	......	......	1.70	3.50
5.97		50	4.90	5.05	5.20	5.35	5.45	5.75	6.10	1.70	3.55
6.09		51	4.95	......	......	......	5.50	5.80	......	1.75	3.60
6.21		52	5.00	......	......	......	5.55	5.85	......	1.75	3.65
6.33		53	......	......	......	......	......	......	......	1.75	3.70
6.45		54	5.10	5.25	5.40	5.55	5.70	6.00	6.35	1.80	3.70
6.56		55	5.15	5.30	5.45	5.60	5.75	6.05	6.40	1.80	3.75
6.69		56	5.15	5.35	5.50	......	5.80	6.10	......	1.85	3.80
6.81		57	......	......	......	......	......	......	......	1.85	3.80
6.93		58	......	......	......	......	5.95	6.25	......	1.90	3.85
7.05		59	5.30	5.50	......	......	6.00	6.35	6.65	1.90	3.90
7.17		60	5.35	5.55	5.70	5.85	6.05	6.40	6.70	1.95	3.90
7.28	Type 4	61	5.40	5.60	5.75	5.90	6.10	......	......	1.95	3.95
7.40		62	......	......	5.80	......	6 15	6.55	......	2.00	4.00
7.52		63	5.50	5.70	......	......	......	......	......	2.00	4.00
7.64		64	5.55	5.75	......	......	......	......	7.00	2.05	4.05
7.76		65	5.60	5.80	......	......	......	......	......	2.05	4.10
7.88		66	......	......	6.05	......	6.40	6.85	......	2.05	4.10
8.00		67	5.70	5.90	6.10	6.25	6.45	6.95	7.20	2.10	4.15
8.12		68	5.75	5.95	6.15	6.35	6.55	7.00	7.30	2.10	4.20
8.24		69	5.80	6.00	6.20	6.40	6.60	......	......	2.15	4.20
8.36		70	......	......	6.25	6.45	6.65	7.10	......	2.15	4.25
8.48		71	......	......	......	......	6.70	7.15	7.55	2.20	4.30

List Prices of Chains, Wheels and Flanges—Continued

3/8-INCH PITCH

Pitch Diameter, Inches	Type of Wheel, (see page 62)	Number of Teeth	Nominal Width of Chain							Add to Price of Wheel for Flanging	
			½″	¾″	1″	1¼″	1½″	2″	3″		
			List Prices of Chain per Foot, for Given Width								
			$ 1.50	$ 1.85	$ 2.20	$ 2.45	$ 2.72	$ 3.44	$ 4.80	Wire	Plate
			List Prices Cut Cast Iron Wheels								
8.60	Type 4	72	$ 5.95	......	......	......	$ 6.75	$ 7.25	$ 7.60	$ 2.20	$ 4.30
8.72		73	......	......	......	......	......	......	......	2.25	4.35
8.84		74	6.05	$ 6.25	$ 6.45	$ 6.70	6.85	7.40	7.75	2.25	4.40
8.96		75	6.10	6.30	6.50	6.75	6.90	7.45	7.80	2.30	4.45
9.08		76	6.15	6.35	6.55	......	7.00	7.55	......	2.30	4.45
9.19		77	6.20	6.40	6.65	......	......	......	......	2.30	4.50
9.31		78	6.25	6.45	6.70	......	7.15	7.70	8.05	2.35	4.55
9.43		79	......	......	......	......	7.20	7.75	......	2.35	4.60
9.55		80	6.35	6.55	6.80	7.05	7.30	7.80	8.25	2.40	4.65
9.67		81	......	......	6.85	......	......	......	......	2 40	4 70
9.79		82	6.45	......	6.90	......	7.45	7.95	8.45	2.45	4.75
9.91		83	6.50	6.70	......	......	7.50	8.00	......	2.45	4.80
10.03		84	6.55	6.75	7.05	7.30	7.55	8.05	8.70	2.50	4.80
10.15		85	6.60	6.80	7.10	......	7.65	8.15	8.80	2.50	4.85
10.27		86	6.65	6.90	7.15	7.40	......	......	8.90	2.55	4.90
10.39		87	......	......	......	7.50	7.75	8.25	9.00	2.55	4.95
10.51		88	......	......	......	7.55	7.85	8.35	......	2.60	5.00
10.63		89	......	......	......	7.60	7.90	......	......	2.60	5.05
10.75		90	6.85	7.10	7.40	7.65	7.95	8.50	9.35	2.65	5.10
10.87		91	6.90	7.15	7.45	7.70	8.05	8.55	9.45	2.65	5.10
10.98		92	......	......	......	......	8.10	8.65	......	2.65	5.15
11.10		93	7.00	7.25	7.55	......	8.15	8.70	......	2.70	5.20
11.22		94	7.05	7.35	7.60	......	8.20	8.80	9.80	2.70	5.25
11.34		95	......	......	......	......	......	......	9.90	2.75	5.25
11.46		96	7.15	7.45	7.75	8.00	8.35	......	......	2.75	5.30
11.58		97	......	......	7.80	8.10	8.40	9.00	10.10	2.80	5.35
11.70		98	......	......	......	......	8.50	9.05	10.20	2 80	5.35
11.82		99	......	......	......	......	8.55	9.10	10.35	2.85	5.40
11.94		100	7.35	7.65	7.95	8.25	8.60	9.20	10.45	2.85	5.40
12.06		101	7.40	7.70	8.00	8.30	8.65	9.25	10.55	2.85	5.45
12.18		102	7.45	7.75	8.05	......	8.75	9.35	10.65	2.90	5.50
12.30		103	......	......	......	......	......	......	......	2.90	5.55
12.42		104	......	......	......	......	8.85	9.40	......	2.95	5.55
12.54		105	7.60	......	......	......	8.90	9.45	10.90	2.95	5.60
12.66		106	7.65	8.00	8.30	......	......	......	......	3.00	5.65
12.78		107	......	......	......	......	9.05	9.60	......	3.00	5.70
12.89		108	......	......	......	......	9.10	9.70	11.20	3.05	5.75
13.01		109	......	......	......	......	......	......	......	3.05	5.80
13.13		110	7.85	8.25	8.55	8.90	9.25	9.85	11.35	3.10	5.85
13.25		111	7.90	8 30	8.60	......	9.35	......	......	3.10	5.85
13.37		112	......	......	......	......	9 40	10.05	......	3.15	5.90
13.49		113	8.00	8.40	8.70	9.05	9.45	10.15	11.65	3.15	5.95
13.61		114	8.05	8.45	......	......	9.50	10.20	......	3.20	6.00
13.73		115	8.10	......	......	9.20	9.60	......	......	3.20	6.05
13.85		116	8.20	8.60	......	9.25	9.65	......	......	3.25	6.05
13.97		117	......	......	......	......	9.70	10.45	12.00	3.25	6.10
14.09		118	8.30	8.70	......	......	......	......	......	3.25	6.15
14.21		119	8.35	8.75	9.10	......	9.85	......	......	3.30	6.20
14.33		120	8.40	8.80	9.15	9.55	9.90	10.65	12.30	3.30	6.25
14.45		121	8.50	8.90	9.25	9.60	9.95	10.75	12.40	3.35	6.25
14.56		122	......	......	......	......	10.05	10.85	......	3.35	6.30
14.68		123	......	......	......	......	......	......	......	3.40	6.35
14.80		124	......	......	......	......	......	......	......	3.40	6.35
14 92		125	8.70	9.10	9.50	9.90	10.30	11.10	12.75	3.45	6.40
15.52		130	9.00	9.40	9.80	10.25	10.65	11.50	13.20	3 55	6.60

List Prices of Chains, Wheels and Flanges—Continued

1/2-INCH PITCH

Pitch Diameter, Inches	Type of Wheel, (see page 62)	Number of Teeth	Nominal Width of Chain							Add to Price of Wheel for Flanging	
			½″	¾″	1″	1½″	2″	3″	4″		
			List Prices of Chain per Foot, for Given Width								
			$ 1.30	$1.55	$1.75	$2.24	$2.84	$ 4.00	$ 5.20	Wire	Plate
			List Prices Cut Steel Pinions								
2.74	Type 2	17	$ 3.25	$3.40	$3.55	$3.85	$4.15	$ 4.75	$ 5.35	$ .95	$ 2.55
3.06		19	3.50	3.65	3.85	4.20	4.60	5.30	6.05	1.00	2.55
3.38		21	3.75	3.95	4.20	4.60	5.05	5.95	6.85	1.05	2.65
3.70		23	4.00	4.30	4.55	5.10	5.60	6.70	7.75	1.10	2.75
			List Prices Cut Cast Iron Wheels								
4.02		25	4.40	4.45	4.50	4.60	4.80	5.25	5 75	1.15	2.85
4.18		26	4.45	4.50	4.55	4.70	.....	.....	.....	1.15	2.90
4.34		27	4.50	4.55	4.60	4.80	5.00	5.45	5.95	1.20	2.95
4.50		28	4.55	4.60	4.65	4.85	.....	.....	.....	1.20	3.00
4.66		29	4.60	4.70	4.75	4.95	.....	.....	.....	1.20	3.05
4.82	Type 3	30	4.65	4.75	4.85	5.05	5.30	5.75	6.25	1.25	3.10
4.98		31	4.70	4.80	4.90	5.10	5.35	5.85	6.35	1.25	3.15
5.14		32	4.75	4.85	5.00	5.20	5.50	.....	.....	1.30	3.20
5.30		33	4.80	4.95	5.05	5.30	5.55	6.05	6.55	1.30	3.25
5.46		34	.....	.....	.....	5.45	5.70	.....	.....	1.35	3.35
5.62		35	4.90	5.10	.....	.....	.....	.....	.....	1.35	3.40
5.78		36	4.95	5.15	5.25	5.55	5.85	6.35	6.90	1.40	3.45
5.94		37	5.00	5.20	5.30	.....	.....	.....	.....	1.40	3.55
6.10		38	5.10	.....	.....	5.70	6.00	.....	.....	1.45	3.60
6.26		39	5.20	.....	.....	5.80	6.10	.....	.....	1.45	3.65
6.42		40	5.25	5.40	5.55	5.90	6.20	6.85	7.50	1.45	3.70
6.58		41	5.30	.....	.....	.....	.....	6.95	7.65	1.50	3.75
6.74		42	5.35	5.50	5.70	6.05	6.40	.....	.....	1.50	3.80
6.90		43	.....	.....	.....	6.20	6.55	.....	7.95	1.55	3.85
7.06		44	5.50	5.70	.....	6.30	6.70	7.40	.....	1.55	3.90
7.22		45	5.55	5.75	6.00	6.40	6.80	7.60	8.20	1.60	3.90
7.38		46	5.65	5.85	6.05	6.45	6.85	.....	8.40	1.60	3.95
7.54		47	5.70	5.90	.....	.....	.....	.....	.....	1.65	4.00
7.70		48	5.80	6.00	.....	.....	.....	7.80	.....	1.65	4.10
7.86		49	5.90	6.10	6.30	6.70	7.10	.....	.....	1.70	4.15
8.02		50	5.95	6.15	6.35	6.80	7.20	8.05	8.90	1.70	4.15
8.18		51	6.00	6.20	6.40	6.85	7.25	8.15	.....	1.75	4.20
8.34		52	.....	.....	6.55	6.95	7.40	.....	.....	1.75	4.25
8.50		53	.....	.....	.....	.....	.....	8.45	.....	1.75	4.30
8.66		54	6.25	.....	6.75	7.20	7.70	8.60	.....	1.80	4.35
8.82		55	6.35	6.60	6.85	7.35	7.85	8.75	9.65	1.80	4.40
8.98		56	6.40	6.65	.....	7.40	7.90	.....	9.80	1.85	4.45
9.14		57	6.45	6.70	6.95	7.45	8.00	.....	.....	1.85	4.50
9.31		58	.....	6.75	7.05	7.50	8.05	9.05	.....	1.90	4.55
9.47		59	6.60	.....	.....	7.60	8.10	.....	.....	1.90	4 60
9.63		60	6.65	6.90	7.15	7.65	8.15	9.25	10.30	1.95	4.65
9.79	Type 4	61	6.75	.....	7.20	7.70	8.25	9.35	.....	1.95	4.70
9.95		62	6.85	7.05	.....	7.85	8.40	.....	.....	2.00	4.75
10.11		63	6.90	7.10	7.40	8.00	8.50	9.55	.....	2.00	4.80
10.27		64	.....	.....	7.50	.....	.....	9.70	10.90	2.05	4.85
10.43		65	.....	.....	7.60	8.20	8.75	.....	.....	2.05	4.95
10.59		66	.....	.....	7.70	8.30	8.90	.....	.....	2.05	5.00
10.75		67	.....	.....	.....	.....	.....	.....	.....	2.10	5.05
10.91		68	7.25	7.60	7.85	8.45	9.05	10.25	11.50	2.10	5.10
11.07		69	7.35	7.70	7.95	8.55	9.15	.....	.....	2.15	5.15
11.23		70	7.45	7.75	8.05	8.65	9.25	10.55	.....	2.15	5.20
11.39		71	.....	.....	.....	.....	.....	10.65	11.95	2.20	5.25

List Prices of Chains, Wheels and Flanges—Continued

1/2-INCH PITCH

Pitch Diameter. Inches	Type of Wheel, (see page 62)	Number of Teeth	Nominal Width of Chain							Add to Price of Wheel for Flanging	
			½"	¾"	1"	1½"	2"	3"	4"		
			List Prices of Chain per Foot, for Given Width								
			$ 1.30	$ 1.55	$ 1.75	$ 2.24	$ 2.84	$ 4.00	$ 5.20	Wire	Plate
			List Prices Cut Cast Iron Wheels								
11.55	Type 4	72	$ 7.60	$ 7.85	$ 8.20	$ 8.90	$ 9.50	$10.75	......	$ 2.20	$ 5.30
11.71		73	......	......	......	9.00	9.65	10.90	......	2.25	5.35
11.87		74	......	......	......	9.10	9.80	11.05	......	2.25	5.35
12.03		75	7.80	8.15	8.50	9.20	9.90	11.20	$12.55	2.30	5.45
12.19		76	7.85	8.20	8.55	9.25	9.95	11.30	......	2.30	5.50
12.35		77	......	......	......	......	......	......	12.85	2.30	5.50
12.51		78	8.00	......	......	9.40	10.10	......	......	2.35	5.60
12.67		79	8.10	8.45	8.80	......	......	......	......	2.35	5.70
12.83		80	......	......	......	9.60	10.30	......	......	2.40	5.70
12.99		81	......	......	......	9.70	10.40	11.95	13.45	2.40	5.75
13.15		82	......	......	......	......	10.55	12.10	......	2.45	5.75
13.31		83	8.45	8.70	9.10	9.95	10.70	......	......	2.45	5.85
13.47		84	8.50	8.80	9.20	10.05	10.85	12.40	13.90	2.50	5.90
13.64		85	8.55	8.90	9.30	10.20	11.00	......	......	2.50	5.90
13.80		86	8.65	......	9.45	10.30	......	......	......	2.55	6.00
13.96		87	8.75	9.10	......	10.40	11.20	12.80	......	2.55	6.10
14.12		88	8.85	9.20	......	......	......	......	......	2.60	6.10
14.28		89	......	......	9.75	10.60	......	......	......	2.60	6.15
14.44		90	9.00	9.40	9.85	10.70	11.50	13.20	14.90	2.65	6.25
14.60		91	......	......	......	10.75	11.60	......	......	2.65	6.25
14.76		92	......	......	......	......	......	......	......	2.65	6.30
14.92		93	9.20	......	......	10.95	11.80	13.60	15.35	2.70	6.40
15.08		94	9.30	9.70	10.15	11.05	11.90	......	......	2.70	6.40
15.24		95	......	......	......	11.15	12.05	......	......	2.75	6.45
15.40		96	9.40	9.90	10.35	......	......	14.00	15.80	2.75	6.45
15.66		97	9.50	10.00	10.45	11.35	12.35	......	......	2.80	6.55
15.72		98	9.60	10.10	......	......	......	......	......	2.80	6.65
15.88		99	9.70	10.20	10.65	11.60	12.60	......	......	2.80	6.65
16.04		100	9.75	10.25	10.75	11.75	12.70	14.60	16.50	2.85	6.70
16.20		101	9.80	10.30	10.80	......	......	......	......	2.85	6.80
16.36		102	9.85	10.35	10.85	11.85	......	14.85	......	2.90	6.80
16.52		103	......	......	......	......	......	......	......	2.90	6.90
16.68		104	10.05	10.55	11.05	......	13.05	......	......	2.95	6.95
16.84		105	10.15	10.65	11.15	......	......	15.25	17.30	2.95	6.95
17.00		106	......	......	......	......	......	......	......	3.00	7.05
17.16		107	......	......	......	......	......	......	......	3.00	7.05
17.32		108	10.45	......	......	12.55	13.60	......	......	3.05	7.15
17.48		109	10.55	11.05	11.55	12.65	13.75	......	......	3.05	7.20
17.65		110	10.60	11.15	11.70	12.80	13.85	16.00	18.15	3.10	7.20
17.81		111	......	......	......	12.85	13.90	16.10	......	3.10	7.30
17.97		112	......	......	......	12.90	13.95	16.25	......	3.15	7.30
18.13		113	......	......	......	......	......	......	......	3.15	7.35
18.29		114	10.85	11.40	11.95	13.05	14.15	......	......	3.20	7.45
18.45		115	10.95	11.50	12.05	13.15	14.25	......	......	3.20	7.45
18.61		116	......	......	......	13.25	14.40	16.75	......	3.25	7.50
18.77		117	......	......	......	13.35	14.55	16.90	19.20	3.25	7.60
18.93		118	......	......	......	......	......	......	......	3.25	7.60
19.09		119	11.30	11.90	12.50	......	......	......	......	3.30	7.70
19.25		120	11.40	12.00	12.60	13.80	15.00	17.40	19.80	3.30	7.75
19.41		121	......	......	......	......	......	......	......	3.35	7.75
19.57		122	......	......	......	......	......	......	......	3.35	7.85
19.73		123	......	......	......	......	......	......	......	3.40	7.90
19.89		124	......	......	......	......	......	......	......	3.40	7.90
20.05		125	11.80	12.45	13.10	14.30	15.60	18.10	20.65	3.45	8.00
20.85		130	12.25	12.90	13.55	14.85	16.15	18.85	21.50	3.55	8.25

List Prices of Chains, Wheels and Flanges—Continued

5/8-INCH PITCH

Pitch Diameter, Inches	Type of Wheel, (see page 62)	Number of Teeth	Nominal Width of Chain							Add to Price of Wheel for Flanging	
			1"	1¼"	1½"	2"	3"	4"	6"		
			List Prices of Chain per Foot, for Given Width								
			$ 1.85	$ 2.05	$ 2.28	$ 2.84	$ 3.88	$ 5.00	$ 7 52	Wire	Plate
			List Prices Cut Steel Pinions								
3.42	Type 2	17	$ 4.15	$ 4.30	$ 4.50	$ 4.95	$ 5.70	$ 6.40	$ 7.75	$1.15	$2.65
3.82		19	4.55	4.80	5.05	5.55	6.55	7.30	8.50	1.20	2.75
4.22		21	5.00	5.25	5.55	6.20	7.40	8.35	10.25	1.25	2.90
4.62		23	5.40	5.70	6.10	6.80	8.25	9.55	12.20	1.30	3.00
			List Prices Cut Cast Iron Wheels								
5.01		25	5.40	5.55	5.70	6 05	6.65	7.05	7.75	1.35	3.10
5.21		26	......	......	......	......	......	......	......	1.40	3.15
5.41		27	5.60	5.80	6.00	6.30	7.00	7.35	8.15	1.45	3.25
5.61		28	......	......	6.10	6.45	......	......	......	1.45	3.35
5.81		29	......	......	......	......	7.25	......	......	1.50	3.40
6.01	Type 3	30	5.95	6.10	6 30	6.65	7.35	8.00	9.25	1.50	3.50
6.21		31	......	......	6.40	......	......	......	......	1.55	3.55
6.41		32	......	......	6.50	6.90	......	......	......	1.60	3.60
6.61		33	6.20	6.35	6.60	7.00	7.80	8.50	10.00	1.60	3.70
6.81		34	......	6.45	6.70	7.10	......	......	......	1.65	3.75
7.01		35	......	......	6.75	7.20	......	......	......	1.65	3.80
7.21		36	6.50	6.70	6.85	7.30	8.20	9.10	10.90	1.70	3.90
7.41		37	......	......	......	......	8.35	......	......	1.70	3.95
7.61		38	......	......	7.20	7.70	......	......	......	1.75	4.05
7.81		39	6.85	......	......	......	8.65	......	......	1.80	4.10
8.01		40	7.00	7.20	7.45	7.95	8.90	9.95	12.00	1.80	4.15
8.21		41	7.10	......	7.60	8.05	9.05	10.15	......	1.85	4.20
8.41		42	......	......	7.80	8.20	......	......	......	1.85	4.25
8.61		43	7.35	7.50	7.90	8.35	9.40	......	......	1.90	4.30
8.81		44	......	......	8.00	8.50	9.60	......	......	1.90	4.40
9.01		45	7.55	7.85	8.10	8 65	9.80	10.95	13.30	1.95	4.45
9.21		46	......	8.00	8.25	8.80	10.00	......	......	2.00	4.50
9.41		47	......	......	8.40	9.00	......	......	......	2.05	4.55
9.61		48	8.00	......	8.55	9.20	10.30	11.60	......	2.05	4.65
9.81		49	......	8.40	8.65	9.30	......	......	......	2.05	4.70
10.01		50	8.20	8.50	8.80	9.45	10.70	12.00	14.95	2.10	4.80
10.21		51	8.35	......	9.00	9.60	......	12.20	......	2.10	4.85
10.41		52	8.50	......	9.15	9.75	......	......	......	2.15	4.90
10.61		53	......	......	......	......	......	......	......	2.20	5.00
10.81		54	8.70	......	9.40	10.10	......	12.90	......	2.20	5.05
11.01		55	8.85	9.20	9.55	10.30	11.65	13.10	15.90	2.25	5.15
11.21		56	......	......	9.70	10.45	......	......	......	2.25	5.20
11.41	Type 4	57	9.15	9.45	9.80	10.60	12.00	13.50	......	2.30	5.25
11.61		58	9.25	......	......	......	12.20	......	......	2.35	5.35
11.81		59	......	......	10.10	10.85	......	13.95	......	2.35	5.40
12.01		60	9.45	9.80	10.25	11.00	12.60	14.20	17.35	2.40	5.45
12.21		61	......	10.00	10.35	11.10	......	......	......	2.40	5.50
12.41		62	9.65	10.20	10.45	11.30	......	14.60	......	2.45	5.55
12.61		63	9.75	......	10.55	11.45	13.10	......	......	2.45	5.65
12.81		64	9.90	......	......	......	13.30	......	18.50	2.50	5.70
13.01		65	10.05	......	10.85	11.70	......	15.30	......	2.55	5.75
13.21		66	......	......	11.05	11.85	......	15.50	......	2.55	5.85
13.42		67	10.35	10.75	11.20	......	......	......	......	2.60	5.90
13.62		68	10.50	10.90	11.35	12.20	14.10	15.90	19.55	2.60	5.95
13.82		69	......	......	......	12.40	......	......	......	2.65	6.00
14.02		70	......	11.20	11.65	12.60	......	......	......	2.70	6.05
14.22		71	10.85	......	11.80	......	14.70	16.65	20.50	2.75	6.10

List Prices of Chains, Wheels and Flanges—Continued

5/8-INCH PITCH

Pitch Diameter, Inches	Type of Wheel, (see page 62)	Number of Teeth	Nominal Width of Chain							Add to Price of Wheel for Flanging	
			1"	1¼"	1½"	2"	3"	4"	6"		
			List Prices of Chain per Foot, for Given Width								
			$ 1.85	$ 2.05	$ 2.28	$ 2.84	$ 3.88	$ 5.00	$ 7.52	Wire	Plate
			List Prices Cut Cast Iron Wheels								
14.42	Type 4	72	......	......	$11.95	$12.95	$14.90	$16.85	......	$ 2.75	$ 6.20
14.62		73	$11.10	$11.65	12.15	......	......	......	......	2.75	6.25
14.82		74	11.20	......	12.30	13.30	......	......	......	2.80	6.30
15.02		75	11.40	11.90	12.40	13.50	15.60	17.60	$21.60	2.80	6.40
15.22		76	......	......	12.60	13.65	......	......	......	2.85	6.45
15.42		77	......	......	12.80	13.80	15.90	18.00	......	2.90	6.55
15.62		78	......	12.30	12.90	14.00	......	......	......	2.90	6.60
15.82		79	11.90	12.45	......	......	......	......	......	2.95	6.65
16.02		80	12.05	......	13.20	14.20	16.40	18.75	23.35	2.95	6.70
16.22		81	12.15	......	13.30	14.40	......	......	......	3.00	6.80
16.42		82	......	......	13.45	14.55	16.85	......	......	3.00	6.90
16.62		83	......	......	......	......	......	......	......	3.05	6.90
16.82		84	12.60	13.15	13.75	14.90	17.30	19.70	24.50	3.10	6.95
17.02		85	......	......	13.90	15.10	17.55	......	......	3.10	7.05
17.22		86	12.80	13.45	14.10	15.25	......	......	......	3.15	7.15
17.42		87	......	13.60	14.25	15.45	......	......	......	3.20	7.20
17.62		88	......	......	14.40	15.60	......	......	......	3.20	7.25
17.82		89	......	......	14.50	15.75	18.30	......	......	3.25	7.30
18.02		90	13.35	13.95	14.60	15.85	18.50	21.15	26.40	3.25	7.35
18.22		91	13.45	......	14.75	16.00	18.70	......	......	3.30	7.45
18.42		92	......	......	14.90	16.20	18.90	......	......	3.30	7.50
18.62		93	......	......	15.05	16.40	......	......	......	3.35	7.55
18.82		94	......	......	15.10	16.60	19.30	......	......	3.40	7.60
19.02		95	14.05	14.75	15.45	16.80	......	22.40	28.10	3.40	7.70
19.22		96	14.20	......	15.60	16.95	19.70	......	......	3.45	7.75
19.42		97	......	......	......	......	......	......	......	3.45	7.85
19.62		98	14.50	......	15.90	17.25	......	......	......	3.50	7.85
19.82		99	......	......	16.00	17.45	20.30	23.30	......	3.50	7.90
20.02		100	14.75	15.50	16.20	17.50	20.50	23.60	29.65	3.55	8.00
20.22		101	14.85	......	16.30	17.75	......	......	......	3.60	8.10
20.42		102	15.00	15.80	......	......	......	......	......	3.60	8.15
20.62		103	......	......	......	......	......	......	......	3.65	8.15
20.82		104	15.30	16.15	16.80	18.30	......	......	......	3.65	8.25
21.02		105	......	......	17.00	18.55	21.65	24.80	31.00	3.70	8.30
21.22		106	......	......	......	......	......	......	......	3.75	8.40
21.42		107	......	......	......	......	......	......	......	3.75	8.50
21.62		108	......	......	17.60	19.20	22.35	......	......	3.80	8.50
21.82		109	16.05	......	17.70	19.30	......	......	......	3.80	8.55
22.02		110	16.20	17.05	17.85	19.50	22.70	26.00	32.50	3.85	8.65
22.22		111	......	......	......	......	......	......	......	3.85	8.70
22.42		112	......	17.40	18.10	......	......	26.40	......	3.90	8.80
22.62		113	......	......	......	......	......	......	......	3.95	8.80
22.82		114	......	......	18.45	20.10	......	26.95	......	3.95	8.85
23.02		115	16.90	17.75	......	......	......	......	34.10	4.00	8.95
23.22		116	......	......	......	......	......	......	......	4.00	9.05
23.42		117	......	......	......	......	......	27.65	......	4.05	9.10
23.62		118	......	......	......	......	......	......	......	4.10	9.10
23.82		119	......	......	19.20	21.00	......	......	......	4.10	9.20
24.02		120	17.65	18.55	19.45	21.20	24.80	28.45	35.80	4.15	9.25
24.22		121	......	......	......	......	......	......	......	4.15	9.30
24.42		122	......	......	......	......	......	......	......	4.20	9.35
24.63		123	......	......	......	......	......	......	......	4.20	9.45
24.83		124	......	......	......	......	......	......	......	4.25	9.50
25.03		125	18.35	19.30	20.25	22.15	25.95	29.75	37.50	4.25	9.60
26.03		130	19.10	20.10	21.10	23.10	27.10	31.10	39.05	4.40	9.85

List Prices of Chains, Wheels and Flanges—Continued

3/4-INCH PITCH

Pitch Diameter, Inches	Type of Wheel, (see page 62)	Number of Teeth	Nominal Width of Chain							Add to Price of Wheel for Flanging	
			1″	1½″	2″	3″	4″	5″	6″		
			List Prices of Chain per Foot, for Given Width								
			$ 1.60	$ 2.16	$ 2.68	$ 3.76	$ 4.88	$ 5.92	$ 6.96	Wire	Plate
			List Prices Cut Steel Pinions								
4.10	Type 2	17	$ 4.65	$ 5.15	$ 5.75	$ 6.70	$ 7.75	$ 8.75	$ 9.80	$ 1.50	$ 3.00
4.58		19	5.10	5.70	6.40	7.70	9.00	9.70	11.50	1.55	3.10
5.05		21	5.65	6.45	7.20	8.80	10.35	11.90	13.40	1.65	3.30
5.53		23	6.35	7.20	8.20	10.00	11.90	13.75	15.60	1.70	3.45
			List Prices Cut Cast Iron Wheels								
6.00		25	6.45	6.80	7.25	8.15	8.80	9.65	10.50	1.80	3.60
6.24		26	......	......	7.45	......	......	......	......	1.80	3.70
6.48		27	6.75	7.15	7.60	8.45	9.40	10.35	11.25	1.85	3.80
6.72		28	......	7.30	......	8.70	......	......	......	1.90	3.85
6.96		29	......	......	......	8.90	......	......	......	1.95	3.95
7.20	Type 3	30	7.25	7.65	8.15	9.15	10.15	11.20	12.30	1.95	4.00
7.44		31	7.35	7.80	......	9.35	......	......	......	2.00	4.10
7.68		32	7.50	8.00	8.50	9.60	......	......	......	2.05	4.20
7.92		33	7.70	8.15	8.65	9.80	10.95	12.10	13.30	2.05	4.25
8.16		34	......	8.35	8.85	10.10	......	......	......	2.10	4.35
8.40		35	......	......	......	10.20	11.50	......	......	2.15	4.40
8.64		36	8.20	8.75	9.30	10.45	11.80	13.10	14.40	2.20	4.50
8.88		37	8.40	8.90	9.40	10.70	12.05	......	......	2.20	4.55
9.11		38	8.55	9.10	9.65	11.00	12.30	......	......	2.25	4.65
9.35		39	8.70	9.30	......	......	12.70	......	......	2.30	4.70
9.59		40	8.85	9.50	10.10	11.60	13.05	14.40	15.85	2.35	4.80
9.83		41	9.05	9.70	10.35	11.90	......	......	......	2.35	4.90
10.07		42	......	......	......	12.15	13.60	......	......	2.40	5.00
10.31		43	......	......	......	12.40	13.95	......	......	2.45	5.05
10.55		44	......	......	......	12.65	14.25	15.85	17.45	2.50	5.15
10.79		45	9.70	10.45	11.20	12.90	14.50	16.15	17.80	2.50	5.20
11.03		46	9.85	10.60	......	13.15	14.80	......	......	2.55	5.30
11.27		47	10.00	10.80	......	13.40	15.10	......	......	2.65	5.35
11.51		48	......	11.00	11.90	13.70	......	17.15	18.90	2.65	5.45
11.75		49	......	......	......	13.95	15.70	......	......	2.65	5.50
11.99		50	10.55	11.45	12.35	14.20	16.05	17.85	19.70	2.70	5.60
12.23		51	10.70	11.65	12.55	14.40	16.35	......	......	2.75	5.70
12.47		52	......	......	12.75	14.65	......	18.50	20.45	2.75	5.80
12.71		53	......	12.00	......	......	......	......	......	2.80	5.85
12.95		54	......	......	13.20	15.20	17.25	......	......	2.85	5.90
13.19		55	11.45	12.40	13.45	15.45	17.55	19.60	21.65	2.90	6.00
13.43		56	11.60	......	13.65	15.75	17.90	......	......	2.90	6.10
13.66		57	......	......	......	16.00	......	......	......	2.95	6.15
13.90	Type 4	58	......	13.00	14.10	......	......	......	......	3.00	6.25
14.14		59	......	13.20	14.30	16.50	18.75	......	......	3.05	6.35
14.38		60	12.30	13.40	14.50	16.80	19.10	21.35	23.65	3.05	6.40
14.62		61	......	......	......	17.05	......	......	......	3.10	6.50
14.86		62	......	13 80	14.95	17.35	......	......	......	3.15	6.60
15.10		63	12.80	14.00	15.20	17.60	20.10	22.50	24.90	3.20	6.70
15.34		64	......	......	......	......	......	......	......	3.20	6.75
15.58		65	......	......	......	......	......	......	......	3.25	6.85
15.82		66	......	......	......	18.45	21.00	......	......	3.30	6.95
16.06		67	......	......	......	......	......	......	......	3.35	7.00
16.30		68	13.75	15.05	16.30	19.00	21.70	24.40	27.10	3.35	7.10
16.54		69	......	......	......	19.25	......	......	......	3.40	7.20
16.78		70	......	......	......	......	......	......	......	3.45	7.25
17.02		71	14.35	15.70	......	19.80	......	......	......	3.45	7.30

List Prices of Chains, Wheels and Flanges—Continued

3/4-INCH PITCH

Pitch Diameter, Inches	Type of Wheel, (see page 62)	Number of Teeth	Nominal Width of Chain							Add to Price of Wheel for Flanging	
			1″	1½″	2″	3″	4″	5″	6″		
			List Prices of Chain per Foot, for Given Width								
			$ 1.60	$ 2.16	$ 2.68	$ 3.76	$ 4.88	$ 5.92	$ 6.96	Wire	Plate
			List Prices Cut Cast Iron Wheels								
17.26	Type 4	72	......	......	$17.30	$20.10	$22.95	$25.80	$28.70	$ 3.50	$ 7.40
17.50		73	......	......	17.50	......	23.25	......	......	3.55	7.45
17.74		74	......	$16.35	......	20.60	23.60	......	......	3.60	7.50
17.98		75	$15.15	16.55	18.00	20.95	23.90	26.95	30.00	3.60	7.60
18.22		76	15.30	16.80	18.25	21.25	......	......	......	3.65	7.70
18.46		77	......	......	......	21.50	24.60	......	......	3.70	7.75
18.70		78	......	......	......	21.85	24.90	......	......	3.75	7.85
18.94		79	......	......	......	......	......	......	......	3.75	7.90
19.18		80	......	17.65	19.30	22.50	25.70	28.95	32.10	3.80	8.00
19.42		81	......	17.85	......	22.80	......	......	......	3.85	8.10
19.65		82	16.45	18.10	......	23.10	......	......	......	3.90	8.15
19.89		83	......	......	......	......	......	......	......	3.90	8.25
20.13		84	16.90	18.60	20.30	23.75	27.05	30.55	33.90	3.95	8.30
20.37		85	......	......	20.65	24.05	27.45	......	......	4.00	8.40
20.61		86	......	......	......	24.30	......	......	......	4.05	8.50
20.85		87	17.50	19.30	21.05	24.65	......	......	......	4.05	8.55
21.09		88	16.70	19.50	......	24.90	28.50	32.15	35.65	4.10	8.65
21.33		89	17.95	......	21.55	25.20	......	......	......	4.15	8.70
21.57		90	18.10	19.95	21.85	25.50	29.20	32.95	36.65	4.20	8.80
21.81		91	......	......	22.05	......	29.60	......	......	4.20	8.90
22.05		92	18.45	20.40	......	......	29.95	......	......	4.25	8.95
22.29		93	......	......	......	26.40	30.30	......	......	4.30	9.00
22.53		94	......	......	......	26.70	30.65	......	......	4.35	9.10
22.77		95	19.10	21.10	......	27.00	30.95	35.00	38.90	4.35	9.20
23.01		96	......	......	......	27.35	......	......	......	4.40	9.25
23.25		97	......	......	23.50	27.70	31.65	......	......	4.40	9.35
23.49		98	......	......	......	27.95	......	36.20	......	4.45	9.45
23.73		99	......	......	24.00	......	32.40	......	......	4.50	9.50
23.97		100	20.10	22.20	24.25	28.45	32.75	37.00	41.20	4.55	9.60
24.21		101	......	......	......	......	......	......	......	4.60	9.70
24.45		102	20.40	22.60	24.65	29.10	33.45	......	......	4.60	9.75
24.69		103	20.65	22.80	24.90	......	......	......	......	4.65	9.85
24.93		104	......	......	25.20	29.70	34.10	......	......	4.70	9.90
25.17		105	......	23.30	25.50	29.95	34.50	38.95	43.40	4.75	10.00
25.41		106	......	......	......	30.30	......	......	......	4.75	10.10
25.65		107	......	23.70	25.90	......	35.20	......	......	4.80	10.15
25.89		108	......	......	......	30.90	35.55	......	......	4.85	10.20
26.13		109	......	......	26.40	......	......	......	......	4.90	10.30
26.37		110	22.05	24.35	26.65	31.40	36.15	40.85	45.60	4.95	10.35
26.60		111	22.25	......	26.90	......	36.50	......	......	4.95	10.45
26.84		112	......	......	27.15	......	36.80	......	......	5.00	10.55
27.08		113	......	......	......	......	......	......	......	5.05	10.65
27.32		114	......	......	......	32.65	......	......	......	5.05	10.75
27.56		115	23.05	25.50	27.90	32.95	37.90	42.95	48.00	5.10	10.80
27.80		116	......	......	......	33.25	......	......	......	5.15	10.85
28.04		117	......	......	......	33.55	38.65	......	48.80	5.20	10.95
28.28		118	......	......	......	33.95	......	......	......	5.25	11.05
28.52		119	......	......	......	34.20	39.30	......	......	5.25	11.15
28.76		120	24.10	26.75	29.40	34.55	39.70	44.90	50.15	5.30	11.20
29.00		121	......	......	......	......	......	......	......	5.35	11.30
29.24		122	......	......	......	......	......	......	......	5.35	11.40
29.48		123	......	......	......	......	......	......	......	5.40	11.45
29.72		124	......	......	......	......	......	......	......	5.40	11.55
29.96		125	25.10	27.90	30.60	36.15	41.60	47.05	52.50	5.50	11.65
31.16		130	26.20	29.05	31.90	37.65	43.35	49.10	54.80	5.65	12.05

List Prices of Chains, Wheels and Flanges—Continued

1-INCH PITCH

Pitch Diameter, Inches	Type of Wheel, (see page 62)	Number of Teeth	Nominal Width of Chain							Add to Price of Wheel for Flanging	
			2″	2½″	3″	4″	5″	6″	8″		
			List Prices of Chain per Foot, for Given Width								
			$ 2.88	$ 3.44	$ 4.04	$ 5.28	$ 6.48	$ 7.68	$10.12	Wire	Plate
			List Prices Cut Steel Pinions								
5.46	Type 2	17	$ 6.80	$ 7.50	$ 8.25	$ 9.80	$11.25	$12.80	$15.80	$ 1.75	$ 3.50
6.10		19	7.90	8.80	9.75	11.60	13.40	15.30	19.00	1.80	3.70
6.74		21	9.10	10.25	11.40	13.65	15.85	18.15	22.65	1.90	3.90
7.37		23	10.50	11.85	13.20	15.95	18.60	21.35	26.75	2.00	4.15
			List Prices Cut Cast Iron Wheels								
8.01	Type 3	25	9.05	9.65	10.25	11.45	12.65	13.85	16.35	2.10	4.35
8.32		26	9.20	9.95	......	11.85	13.10	......	......	2.10	4.50
8.64		27	9.50	10.30	11.00	12.30	13.60	14.95	17.65	2.15	4.60
8.96		28	......	10.65	11.35	12.75	14.10	......	......	2.20	4.70
9.28		29	......	11.00	11.70	13.15	......	16.00	......	2.25	4.80
9.60		30	10.55	11.30	12.05	13.55	15.05	16.55	19.60	2.30	4.95
9.92		31	10.90	......	......	14.00	15.50	......	......	2.35	5.05
10.24		32	......	11.95	12.80	14.45	16.00	17.60	......	2.40	5.15
10.56		33	11.50	12.30	13.15	14.85	16.50	18.15	21.50	2.40	5.30
10.88		34	11.80	......	13.55	15.25	17.00	......	......	2.45	5.40
11.20		35	......	12.95	......	15.65	......	......	......	2.50	5.55
11.52		36	12.35	13.30	14.20	16.10	17.90	19.75	23.55	2.55	5.65
11.83		37	......	13.60	......	16.55	18.40	......	......	2.60	5.80
12.15		38	12.95	13.95	14.95	......	18.90	......	......	2.65	5.90
12.47		39	......	14.30	15.30	17.40	19.40	21.40	......	2.70	6.00
12.79		40	13.55	14.60	15.65	17.75	19.85	21.95	26.20	2.70	6.10
13.11		41	13.85	14.90	16.00	18.15	......	......	......	2.75	6.20
13.43		42	14.15	15.25	16.35	18.60	20.90	......	......	2.80	6.30
13.75		43	14.45	15.60	16.75	19.10	21.45	23.75	......	2.85	6.40
14.07		44	14.80	......	......	19.60	22.00	24.35	......	2.90	6.55
14.39		45	15.15	16.40	17.65	20.10	22.55	25.00	29.85	2.95	6.65
14.71		46	15.45	16.75	......	20.55	......	25.60	......	3.00	6.75
15.03		47	15.80	......	18.45	21.00	23.50	......	......	3.05	6.80
15.35		48	16.15	17.55	......	21.50	......	......	......	3.10	6.90
15.67		49	16.50	......	19.25	22.00	......	......	......	3.15	7.05
15.99		50	16.85	18.25	19.65	22.45	25.25	28.05	33.50	3.20	7.20
16.30	Type 4	51	17.15	......	20.05	22.90	25.75	......	......	3.25	7.30
16.62		52	17.45	18.95	......	23.40	......	29.15	......	3.25	7.40
16.94		53	17.80	......	20.85	23.90	......	29.75	......	3.30	7.50
17.26		54	18.15	......	21.25	24.35	27.35	30.35	......	3.30	7.60
17.58		55	18.50	20.05	21.60	24.70	27.80	30.90	37.15	3.35	7.75
17.90		56	......	......	22.00	25.15	......	31.50	......	3.40	7.85
18.22		57	19.15	20.70	22.40	25.60	28.90	......	......	3.45	7.95
18.54		58	19.50	21.10	......	26.10	29.45	......	......	3.50	8.05
18.86		59	19.85	......	23.20	26.55	29.95	33.30	......	3.55	8.15
19.18		60	20.15	21.85	23.55	27.00	30.45	33.90	40.80	3.60	8.30
19.50		61	20.45	22.25	23.90	27.50	......	34.55	......	3.60	8.40
19.82		62	......	22.60	24.40	28.00	31.60	......	......	3.65	8.50
20.14		63	21.15	23.00	24.85	28.50	32.20	......	......	3.70	8.60
20.46		64	......	23.40	25.30	29.00	32.75	36.50	43.90	3.75	8.75
20.78		65	21.95	23.85	25.75	29.55	33.35	37.15	......	3.80	8.85
21.10		66	22.35	......	......	29.95	33.90	37.75	......	3.85	8.95
21.42		67	22.70	24.65	26.50	30.45	......	38.35	......	3.90	9.00
21.73		68	23.05	25.05	26.90	30.95	35.00	39.00	47.00	3.95	9.10
22.05		69	23.40	25.45	27.40	31.45	......	......	......	4.00	9.25
22.37		70	23.75	25.85	27.90	32.00	36.10	......	......	4.00	9.35
22.69		71	......	26.30	28.30	32.50	......	......	......	4.05	9.50

List Prices of Chains, Wheels and Flanges—Continued

1-INCH PITCH

Pitch Diameter, Inches	Type of Wheel, (see page 62)	Number of Teeth	Nominal Width of Chain							Add to Price of Wheel for Flanging	
			2″	2½″	3″	4″	5″	6″	8″		
			List Prices of Chain per Foot, for Given Width								
			$ 2.88	$ 3.44	$ 4.04	$ 5.28	$ 6.48	$ 7.68	$10 12	Wire	Plate
			List Prices Cut Cast Iron Wheels								
23.01	Type 4	72	$24.40	......	$28.70	$33.00	$37.20	$41.50	......	$4.10	$9.60
23.33		73	......	......	......	33.50	37.80	42.15	......	4.15	9.75
23.65		74	......	$27.40	......	34.00	......	42.80	......	4.20	9.90
23.97		75	25.45	27.70	29.95	34.45	38.95	43.45	$52.55	4.20	10.00
24.29		76	25.80	......	30.40	34.90	39.50	44.10	......	4.25	10.10
24.61		77	26.15	......	30.75	35.40	40.05	44.75	......	4.30	10.25
24.93		78	26.50	28.80	31.15	35.90	......	45.40	......	4.35	10.30
25.25		79	......	......	31.55	36.40	41.20	......	......	4.40	10.40
25.57		80	......	......	......	36.90	41.80	......	56.50	4.45	10.55
25.89		81	27.55	......	32.45	37.40	42.40	47.35	......	4.50	10.65
26.21		82	27.90	30.40	32.90	37.95	......	......	......	4.55	10.80
26.53		83	28.25	......	33.40	38.50	43.60	......	......	4.55	10.90
26.85		84	28.65	31.25	33.90	39.05	44.20	49.40	59.70	4.60	11.05
27.17		85	29.10	31.70	34.35	39.60	......	50.10	60.65	4.65	11.10
27.49		86	......	......	34.80	......	45.50	......	......	4.70	11.20
27.81		87	29.85	32.50	35.25	40.70	46.10	......	......	4.75	11.35
28.12		88	30.25	......	35.70	41.25	46.70	......	......	4.80	11.45
28.44		89	30.65	......	36.15	41.75	......	......	......	4.85	11.55
28.76		90	31.00	33.80	36.60	42.25	47.90	53.55	64.80	4.90	11.65
29.08		91	31.35	34.20	......	42.80	48.50	......	......	4.90	11.75
29.40		92	31.75	34.60	37.50	43.35	49.10	......	......	4.95	11.90
29.72		93	32.15	35.00	37.95	43.85	......	......	......	5.00	12.00
30.04		94	32.50	35.45	38.40	44.35	......	......	......	5.10	12.15
30.36		95	32.90	35.90	38.90	44.90	50.90	56.90	69.00	5.10	12.25
30.68		96	......	......	39.40	45.40	51.50	57.60	......	5.15	12.35
31.00		97	33.65	36.70	39.85	......	52.10	......	......	5.20	12.40
31.32		98	34.00	37.10	......	46.50	52.70	59.00	......	5.25	12.55
31.64		99	34.40	37.55	40.75	47.05	......	......	......	5.30	12.65
31.96		100	34.80	38.00	41.20	47.60	54.00	60.40	73.20	5.30	12.80
32.28		101	35.15	......	......	48.10	54.60	61.10	......	5.35	12.90
32.60		102	35.50	38.80	42.15	48.65	55.20	61.80	......	5.40	13.00
32.92		103	35.90	......	......	......	......	......	......	5.40	13.15
33.24		104	......	......	43.05	49.75	56.45	......	......	5.45	13.30
33.56		105	......	......	43.50	50.30	57.10	63.90	77.40	5.50	13.40
33.88		106	......	......	......	......	......	......	......	5.55	13.50
34.20		107	37.50	......	......	......	......	......	......	5.60	13.60
34.52		108	37.90	......	44.95	51.95	58.90	66.00	......	5.65	13.75
34.83		109	38.30	41.80	45.40	......	59.55	66.70	......	5.70	13.85
35.15		110	38.70	42.30	45.90	53.05	60.20	67.35	81.60	5.75	13.95
35.47		111	39.05	......	......	53.60	60.80	......	......	5.75	14.05
35.79		112	39.40	43.10	......	54.10	61.40	68.70	83.25	5.80	14.15
36.11		113	39.75	......	47.25	54.65	62.00	......	......	5.85	14.30
36.43		114	40.15	......	47.65	55.15	......	......	......	5.90	14.40
36.75		115	40.55	44.30	......	55.60	......	......	85.80	5.95	14.50
37.07		116	40.90	44.70	......	56.10	......	......	......	6.00	14.60
37.39		117	41.30	45.15	49.00	......	64.35	72.00	......	6.05	14.75
37.71		118	......	......	......	......	......	......	......	6.05	14.85
38.03		119	42.10	46.00	49.95	57.85	......	73.40	......	6.10	14.95
38.35		120	42.50	46.45	50.40	58.30	66.20	74.10	90.00	6.15	15.05
38.67		121	......	......	......	......	......	......	......	6.20	15.15
38.99		122	......	......	......	......	......	......	......	6.25	15.30
39.31		123	......	......	......	......	......	......	......	6.30	15.40
39.63		124	......	......	......	......	......	......	......	6.35	15.55
39.95		125	44.50	48.65	52.80	61.10	69.40	77.10	94.40	6.40	15.65
41.55		130	46.50	50.85	55.20	63.90	72.60	81.30	98.80	6.60	16.25

List Prices of Chains, Wheels and Flanges—Continued

1 1/4-INCH PITCH

Pitch Diameter, Inches	Type of Wheel, (see page 62)	Number of Teeth	Nominal Width of Chain							Add to Price of Wheel for Flanging	
			2″	3″	4″	5″	6″	8″	10″		
			List Prices of Chain per Foot, for Given Width								
			$ 3.22	$ 4.62	$ 6.12	$ 7.56	$ 9.01	$11.90	$14.90	Wire	Plate
			List Prices Cut Steel Pinions								
6.83	Type 2	17	$10.65	$13.30	$16.00	$18.60	$21.30	$26.60	$31.80	$ 2.20	$ 4.10
7.62		19	12.55	15.80	19.10	22.30	25.65	32.20	38.80	2.30	4.40
8.41		21	14.75	18.70	22.65	26.60	30.65	38.65	46.65	2.45	4.70
9.21		23	17.15	21.95	26.70	31.45	36.30	45.50	53.60	2.55	5.05
			List Prices Cut Cast Iron Wheels								
10.00	Type 3	25	12.10	13.90	15.70	17.50	19.30	23.00	26.75	2.65	5.35
10.40		26	......	14.40	......	18.20	......	......	......	2.70	5.50
10.80		27	12.95	14.90	16.90	18.90	20.90	25.00	29.05	2.75	5.65
11.20		28	......	15.40	17.50	19.60	......	......	......	2.80	5.80
11.59		29	......	......	......	20.35	......	......	......	2.85	5.95
11.99		30	14.30	16.50	18.80	21.10	23.40	28.00	32.55	2.95	6.10
12.39		31	14.75	17.05	......	......	24.20	......	......	3.00	6.25
12.79		32	......	......	20.00	......	25.00	......	......	3.05	6.35
13.19		33	15.65	18.15	20.65	23.20	25.80	30.90	36.05	3.10	6.50
13.59		34	......	18.70	......	......	......	......	......	3.15	6.65
13.98		35	......	19.25	......	24.65	27.40	......	......	3.20	6.80
14.38		36	17.00	19.80	22.60	25.40	28.20	33.90	39.55	3.25	6.90
14.78		37	......	20.35	......	......	......	......	......	3.30	7.05
15.18		38	17.90	20.90	23.90	26.90	29.90	35.90	......	3.35	7.20
15.58		39	......	21.45	......	27.65	30.75	36.90	......	3.45	7.35
15.98		40	18.85	22.05	25.20	28.40	31.60	37.90	44.25	3.50	7.50
16.38		41	......	22.60	......	29.15	32.45	......	......	3.55	7.65
16.78		42	......	23.15	......	29.90	33.30	......	46.80	3.60	7.80
17.17		43	......	23.70	......	30.65	34.15	......	......	3.65	7.95
17.57		44	......	......	......	31.40	......	......	......	3.70	8.10
17.97		45	21.30	24.90	28.55	32.20	35.90	43.30	50.70	3.75	8.30
18.37		46	......	25.50	......	33.00	36.80	......	......	3.80	8.45
18.77		47	......	26.10	......	33.80	37.70	......	......	3.90	8.60
19.17		48	......	......	......	34.65	......	......	......	3.95	8.75
19.57		49	......	27.40	......	35.50	39.55	47.75	......	4.00	8.90
19.97		50	23.85	28.05	32.20	36.45	40.50	48.90	57.15	4.05	9.05
20.37	Type 4	51	......	28.60	32.85	37.15	......	49.90	......	4.10	9.15
20.76		52	......	29.15	......	37.90	......	......	......	4.15	9.30
21.16		53	25.30	......	......	38.65	43.05	......	......	4.20	9.45
21.56		54	......	30.25	34.80	......	......	......	......	4.30	9.60
21.96		55	26.30	30.80	35.45	40.10	44.75	54.10	63.60	4.35	9.75
22.36		56	......	31.40	......	40.90	......	......	......	4.40	9.90
22.76		57	......	......	36.90	41.75	......	......	......	4.45	10.05
23.16		58	......	32.70	......	42.60	47.50	57.45	67.50	4.50	10.20
23.56		59	......	33.35	......	43.45	......	......	......	4.55	10.35
23.96		60	28.80	34.00	39.15	44.30	49.45	59.75	70.10	4.60	10.50
24.36		61	29.30	......	39.85	45.15	......	......	......	4.65	10.65
24.75		62	......	35.20	......	46.00	......	......	......	4.70	10.80
25.15		63	30.35	35.85	......	46.85	52.30	......	......	4.80	10.95
25.55		64	......	......	42.10	......	53.25	......	......	4.85	11.10
25.95		65	......	37.15	42.85	48.55	......	65.65	77.00	4.90	11.25
26.35		66	......	......	43.55	49.35	55.15	......	......	4.95	11.40
26.75		67	32.45	38.45	......	......	......	......	......	5.00	11.55
27.15		68	33.00	39.10	45.00	51.00	57.00	69.00	81.10	5.05	11.75
27.55		69	......	......	......	51.85	......	70.15	......	5.10	11.90
27.95		70	34.10	40.30	46.50	......	58.90	......	83.90	5.15	12.05
28.35		71	......	......	......	......	......	......	......	5.20	12.20

List Prices of Chains, Wheels and Flanges—Continued

1 1/4-INCH PITCH

Pitch Diameter, Inches	Type of Wheel, (see page 62)	Number of Teeth	Nominal Width of Chain							Add to Price of Wheel for Flanging	
			2″	3″	4″	5″	6″	8″	10″		
			List Prices of Chain per Foot, for Given Width								
			$ 3.22	$ 4.62	$ 6.12	$ 7.56	$ 9.01	$11.90	$14.90	Wire	Plate
			List Prices Cut Cast Iron Wheels								
28.74	Type 4	72	......	$41.60	......	$54.40	$60.85	$73.70	$86.65	$ 5.30	$12.35
29.14		73	$35.70	......	......	......	......	......	......	5.35	12.50
29.54		74	......	42.90	......	......	......	......	......	5.40	12.65
29.94		75	36.80	43.60	$50.35	57.10	63.85	77.35	90.85	5.45	12.80
30.34		76	......	44.30	51.15	58.00	64.80	......	......	5.50	12.90
30.74		77	......	45.00	51.95	......	......	......	......	5.55	13.05
31.14		78	......	......	......	......	......	......	......	5.60	13.20
31.54		79	......	......	53.55	......	67.80	82.15	96.40	5.65	13.25
31.94		80	39.55	47.05	54.30	61.55	......	......	......	5.70	13.50
32.34		81	......	......	55.05	......	......	......	......	5.75	13.65
32.73		82	......	48.25	......	63.30	70.80	......	......	5.85	13.70
33.13		83	......	......	56.55	......	......	......	......	5.90	13.85
33.53		84	41.75	49.55	57.30	65.10	72.85	88.45	103.70	5.95	14.00
33.93		85	42.30	50.20	......	66.00	73.90	89.75	105.20	6.00	14.20
34.33		86	......	50.85	......	66.85	74.85	......	......	6.05	14.45
34.73		87	......	51.50	......	67.70	75.80	......	......	6.10	14.60
35.13		88	......	......	60.35	......	76.75	......	......	6.20	14.75
35.53		89	......	52.80	......	......	......	......	......	6.25	14.90
35.93		90	45.10	53.50	61.90	70.30	78.75	95.65	112.60	6.30	15.05
36.33		91	......	54.15	......	71.20	79.80	......	......	6.35	15.20
36.73		92	......	......	63.50	......	80.85	......	......	6.40	15.35
37.12		93	......	......	......	73.10	81.90	......	......	6.45	15.45
37.52		94	......	......	......	74.05	82.95	......	......	6.50	15.60
37.92		95	47.95	56.95	65.95	75.00	84.00	102.00	120.00	6.55	15.75
38.32		96	......	57.60	......	75.90	......	......	......	6.60	15.90
38.72		97	......	......	......	76.80	......	......	......	6.65	16.00
39.12		98	......	59.00	68.35	77.70	87.00	......	......	6.75	16.15
39.52		99	......	59.70	......	78.60	......	......	......	6.80	16.30
39.92		100	50.80	60.40	69.95	79.50	89.05	108.20	127.40	6.85	16.45
40.32		101	......	......	......	......	......	......	......	6.90	16.60
40.72		102	......	61.70	......	81.30	......	......	......	6.95	16.75
41.12		103	......	......	......	......	......	......	......	7.00	16.90
41.51		104	53.05	63.05	73.15	......	93.20	......	......	7.05	17.05
41.91		105	......	63.70	......	84.05	......	114.50	134.80	7.10	17.20
42.31		106	......	......	......	......	......	......	......	7.20	17.35
42.71		107	......	65.15	75.50	......	......	......	......	7.25	17.50
43.11		108	55.35	65.85	......	86.75	97.35	......	......	7.30	17.70
43.51		109	......	......	......	......	......	......	......	7.35	17.85
43.91		110	56.55	67.25	77.95	88.65	99.35	120.75	142.20	7.40	18.00
44.31		111	......	67.90	......	89.55	......	......	......	7.45	18.15
44.71		112	......	68.55	......	......	......	......	......	7.55	18.30
45.11		113	......	......	......	......	......	......	......	7.60	18.45
45.51		114	......	69.90	81.15	92.25	......	125.80	......	7.65	18.60
45.90		115	59.40	70.60	81.90	93.20	......	......	149.60	7.70	18.75
46.30		116	......	71.30	......	94.10	105.55	......	......	7.75	18.90
46.70		117	......	......	......	......	......	......	......	7.80	19.05
47.10		118	......	......	......	......	......	......	......	7.85	19.20
47.50		119	......	......	......	96.80	......	132.05	......	7.90	19.35
47.90		120	62.30	74.10	85.90	97.75	109.60	133.30	157.00	7.95	19.50
48.30		121	......	......	......	......	......	......	......	8.05	19.65
48.70		122	......	......	......	......	......	......	......	8.10	19.80
49.10		123	......	......	......	......	......	......	......	8.15	20.00
49.50		124	......	......	......	......	......	......	......	8.20	20.15
49.90		125	65.30	77.70	90.50	102.60	115.05	140.00	165.00	8.25	20.30
51.89		130	68.35	81.45	94.55	107.65	120.75	146.95	173.00	8.55	21.05

List Prices ot Chains, Wheels and Flanges—Continued

1 1/2-INCH PITCH

Pitch Diameter, Inches	Type of Wheel, (see page 62)	Number of Teeth	Nominal Width of Chain							Add to Price of Wheel for Flanging	
			3″	4″	5″	6″	8″	10″	12″		
			List Prices of Chain per Foot, for Given Width								
			$ 5.32	$ 7.05	$ 8.73	$10.41	$13 86	$17.37	$21.00	Wire	Plate
			List Prices Cut Steel Pinions								
8.10	Type 2	17	$17.55	$21.20	$24.90	$28.60	$35.90	$43.20	$50.75	$ 2.60	$ 5.25
9.05		19	21.05	25.65	30.20	34.75	43.85	52.60	62.20	2.75	5.65
10.01		21	25.05	30.60	36.20	41.75	52.90	63.70	75.30	2.85	6.10
10.96		23	29.60	36.20	42.90	49.55	63.00	76.30	90.00	3.00	6.55
			List Prices Cut Cast Iron Wheels								
11.91	Type 3	25	18.35	20.90	23.45	26.00	31.10	36.20	41.30	3.15	7.00
12.39		26	19.05	......	24.45	27.10	......	......	......	3.20	7.20
12.87		27	19.80	22.60	25.45	28.20	33.80	39.40	45.00	3.30	7.45
13.35		28	20.55	23.45	......	......	......	......	......	3.35	7.65
13.82		29	21.30	24.30	27.40	30.40	36.50	......	......	3.40	7.90
14.30		30	22.05	25.20	28.35	31.50	37.90	44.30	50.70	3.50	8.10
14.78		31	22.75	......	29.35	32.60	39.25	......	......	3.55	8.30
15.26		32	23.50	......	30.35	......	......	......	......	3 65	8.50
15.74		33	24.25	27.75	31.35	34.85	42.00	49.15	56.30	3.70	8.75
16.22		34	25.00	28.65	......	36.00	......	......	......	3.80	8.95
16.70		35	25.75	29.55	......	37.15	......	......	......	3.85	9.15
17.17		36	26.50	30.40	34.35	38.25	46.15	54.05	61.95	3.90	9.35
17.65		37	27.25	31.25	35.35	39.35	......	......	......	4.00	9.60
18.13	Type 4	38	28.00	32.10	36.30	40.45	......	......	......	4.05	9.80
18.61		39	28.75	......	37.30	41.60	50.25	......	......	4.15	10.00
19.09		40	29.50	33.90	38.30	42.75	51.65	60.55	69.50	4.20	10.25
19.57		41	......	34.85	39.40	......	53.15	......	......	4.25	10.45
20.05		42	......	35.80	40.50	45.20	54.65	64.15	......	4.35	10.65
20.53		43	31.95	36.75	41.60	46.45	......	......	......	4.40	10.85
21.01		44	......	37.75	42.70	......	57.70	67.70	......	4.50	11.05
21.48		45	33.65	38.75	43.85	48.95	59.25	69.55	79.85	4.55	11.30
21.96		46	34.45	......	45.00	50.20	......	......	......	4.60	11.50
22.44		47	35.25	......	46.10	51.45	62.25	......	......	4.70	11.70
22.92		48	36.10	41.60	47.20	52.70	......	......	86.00	4.75	11.90
23.40		49	36.95	42.60	48.30	53.95	65.30	76.75	......	4.85	12.10
23.88		50	37.80	43.60	49.40	55.20	66.85	78.55	90.20	4.90	12.30
24.36		51	38.60	44.55	50.50	......	68.35	......	......	4.95	12.50
24.84		52	39.45	......	51.60	......	69.85	82.15	......	5.05	12.70
25.32		53	......	......	......	58.95	71.40	......	......	5.10	12.95
25.80		54	......	47.50	53.85	60.20	......	......	......	5.20	13.15
26.28		55	42.00	48.50	55.00	61 50	74.50	87.55	100.60	5.25	13.40
26.75		56	42.80	49.45	56.10	......	......	......	......	5.30	13.60
27.23		57	43.65	50.40	57.20	......	......	91.15	......	5.40	13.85
27.71		58	......	......	58.30	65.25	79.10	......	......	5.45	14.05
28.20		59	45.35	52.40	59.45	66.50	80.65	......	......	5.55	14.30
28.67		60	46.20	53.40	60.80	67.80	82.20	96.60	111.00	5.60	14.50
29.15		61	47.05	54.40	61.75	69.10	......	......	......	5.65	14.70
29.63		62	47.95	......	62.90	70.40	......	......	......	5.75	14.90
30.11		63	48.85	......	64.05	71.70	87.10	......	......	5.80	15.15
30.59		64	49.75	57.50	65.25	73.05	88.70	104.30	119.95	5.90	15.35
31.07		65	50.65	58.55	66.45	74.40	......	......	......	5.95	15.55
31.55		66	51.55	......	67.65	75.75	91.95	108.20	......	6.00	15.80
32.03		67	......	60.65	68.85	77.10	93.60	......	......	6.10	16.00
32.50		68	53.35	61.70	70.05	78.45	95.25	112.10	128.90	6.15	16.25
32.98		69	......	62.75	......	79.85	......	......	......	6.25	16.45
33.46		70	55.15	63.85	......	81.25	98.65	116.00	......	6.30	16.70
33.94		71	56.05	64.90	73.70	82.55	100.25	117.90	135.60	6.35	16.90

List Prices of Chains, Wheels and Flanges—Continued

1 1/2-INCH PITCH

Pitch Diameter, Inches	Type of Wheel, (see page 62)	Number of Teeth	Nominal Width of Chain							Add to Price of Wheel for Flanging	
			3″	4″	5″	6″	8″	10″	12″		
			List Prices of Chain per Foot, for Given Width								
			$ 5.32	$ 7.05	$ 8.73	$10.41	$13.86	$17.37	$21.00	Wire	Plate
			List Prices Cut Cast Iron Wheels								
34.42	Type 4	72	$56.95	......	$74.85	$83.85	......	......	......	$6.45	$17.10
34.90		73	57.85	......	76.05	......	......	......	......	6.50	17.35
35.38		74	......	$68.00	......	86.55	$.....	$.....	$.....	6.60	17.55
35.86		75	59.65	69.05	78.45	87.90	106.80	125.70	144.60	6.65	17.75
36.34		76	60.55	70.10	79.65	89.25	......	......	......	6.70	18.00
36.82		77	61.45	......	80.85	90.60	110.05	......	......	6.80	18.25
37.30		78	62.35	......	82.05	91.95	......	......	......	6.85	18.45
37.78		79	63.25	73.25	83.25	......	......	......	......	6.95	18.65
38.26		80	......	74.35	84.50	94.65	115.00	135.40	155.80	7.00	18.85
38.73		81	......	75.45	85.25	......	......	......	......	7.05	19.05
39.21		82	......	76.55	87.00	97.45	118.50	......	......	7.15	19.25
39.69		83	......	77.65	88.25	......	......	......	......	7.20	19.45
40.17		84	68.00	78.75	89.55	100.35	122.00	143.65	165.25	7.30	19.65
40.65		85	68.95	79.90	90.85	100.80	......	......	......	7.35	19.90
41.13		86	69.00	81.00	......	......	......	......	......	7.40	20.15
41.61		87	70.85	82.10	......	......	......	......	......	7.50	20.30
42.09		88	71.80	......	94.60	106.05	......	......	......	7.55	20.55
42.57		89	......	......	......	......	......	......	......	7.65	20.85
43.05		90	73.70	85.45	97.20	108.95	132.50	156.10	179.70	7.70	20.95
43.53		91	74.65	86.55	......	......	......	......	......	7.75	21.15
44.01		92	75.60	......	......	111.80	136.00	......	......	7.85	21.40
44.49		93	76.55	88.75	101.00	113.25	......	......	......	7.90	21.60
44.97		94	......	......	......	115.70	......	......	......	8.00	21.85
45.44		95	......	......	103.60	116.15	......	166.50	191.65	8.05	22.05
45.92		96	79.45	......	......	......	......	......	......	8.10	22.30
46.40		97	......	......	106.10	119.00	......	......	......	8.20	22.50
46.88		98	......	......	107.40	120.45	146.55	......	......	8.25	22.70
47.36		99	......	......	108.70	......	......	......	......	8.35	22.95
47.84		100	83.50	96.65	110.00	123.35	150.05	176.80	204.60	8.40	23.20
48.32		101	......	......	111.25	124.75	......	......	......	8.45	23.40
48.80		102	......	98.85	112.50	......	......	......	......	8.55	23.60
49.28		103	......	......	......	......	......	......	......	8.60	23.85
49.76		104	......	101.10	......	......	......	......	......	8.70	24.05
50.24		105	88.10	102.25	......	130.55	158.85	187.25	215.55	8.75	24.25
50.72		106	......	......	117.65	131.95	......	......	......	8.80	24.50
51.20		107	90.00	104.45	......	133.40	......	......	......	8.90	24.70
51.68		108	90.95	......	120.20	134.85	......	......	......	8.95	24.95
52.15		109	......	......	......	......	......	......	......	9.05	25.20
52.63		110	92.90	107.85	122.80	137.75	167.65	197.55	227.50	9.10	25.40
53.11		111	93.85	108.95	124.10	......	......	......	......	9.15	25.60
53.59		112	94.80	......	125.40	140.65	......	......	......	9.25	25.80
54.07		113	95.75	......	126.70	......	......	......	......	9.30	26.00
54.55		114	......	112.35	128.00	143.55	174.75	......	......	9.40	26.25
55.03		115	......	113.45	129.30	......	......	208.00	239.50	9.45	26.45
55.51		116	98.65	......	......	......	......	......	......	9.50	26.65
55.99		117	99.60	......	131.80	147.85	......	......	......	9.60	26.85
56.47		118	......	......	......	......	......	......	......	9.65	27.10
56.95		119	......	......	......	150.65	......	......	......	9.75	27.30
57.43		120	102.50	119.05	135.60	152.15	185.25	218.35	251.50	9.80	27.50
57.91		121	......	120.20	136.90	153.65	......	......	......	9.85	27.70
58.39		122	......	......	......	......	......	......	......	9.95	27.95
58.87		123	......	......	......	......	......	......	......	10.00	28.15
59.34		124	......	......	......	......	......	......	......	10.10	28.40
59.82		125	107.50	124.90	142.30	159.70	194.50	229.35	264.25	10.15	28.60
62.22		130	112.55	130.80	149.05	167.30	203.90	249.50	277.00	10.50	29.75

Price List of Chains, Wheels and Flanges—Continued

2-INCH PITCH

Pitch Diameter, Inches	Type of Wheel, (see page 62)	Number of Teeth	Nominal Width of Chain						Add to Price of Wheel for Flanging	
			6″	8″	10″	12″	14″	16″		
			List Prices of Chain per Foot, for Given Width							
			$ 12.10	$ 16.30	$ 20.55	$ 24.80	$ 29.20	$ 33.85	Wire	Plate
			List Prices Cut Steel Pinions							
12.16	Type 2	19	$ 57.80	$ 73.65	$ 89.45	$105.30	$121.20	$137.05	$ 4.10	$ 9.20
13.43		21	69.95	89.25	108.55	127.85	147.20	166.55	4.30	10.00
14.70		23	83.60	106.80	130.00	153.20	176.45	199.70	4.55	10.80
			List Prices Cut Cast Iron Wheels							
15.96	Type 3	25	42.40	51.50	59.85	68.60	77.35	86.10	4.75	11.60
16.60		26	44.30	......	......	......	80.90	......	4.85	12.00
17.24		27	46.30	55.85	65.45	75.05	84.60	94.20	4.95	12.40
17.87		28	48.20	58.25	......	......	......	......	5.10	12.80
18.51		29	50.15	60.60	71.05	......	......	......	5.20	13.20
19.14		30	52.05	62.95	73.80	84.65	95.55	106.40	5.30	13.60
19.78		31	54.05	65.35	......	......	......	......	5.40	14.00
20.42		32	55.95	67.70	......	......	......	......	5.50	14.40
21.05		33	57.90	70.05	82.15	94.30	106.45	118.60	5.65	14.80
21.69		34	......	......	84.95	97.55	......	......	5.75	15.20
22.32		35	61.80	74.80	......	100.85	......	......	5.85	15.60
22.96		36	63.70	77.15	90.55	104.00	117.40	130.85	6.00	16.00
23.60		37	65.65	79.50	93.35	107.20	121.05	......	6.10	16.40
24.23		38	67.55	81.85	......	110.40	124.65	......	6.20	16.80
24.87		39	69.55	......	98.95	......	......	......	6.30	17.20
25.51	Type 4	40	71.45	86.60	101.70	116.85	131.95	147.10	6.40	17.60
26 14		41	......	......	......	......	......	......	6.50	18.00
26.78		42	75.75	91.80	......	......	......	......	6.60	18.40
27.42		43	......	......	110.95	127.55	......	......	6.75	18.80
28.05		44	80.00	......	......	131.10	......	......	6.85	19.20
28.69		45	82.05	99.45	116.90	134.35	151.75	169.70	6.95	19.60
29.32		46	......	......	......	......	156.25	174.25	7.05	20.00
29.96		47	86.35	104.85	123.30	......	......	......	7.15	20.40
30.60		48	88.50	......	126.40	145.35	......	......	7.30	20.80
31.23		49	90.60	......	......	......	......	......	7.40	21.40
31.87		50	92.75	112.65	132.55	152.45	172.35	192.25	7.50	21.60
32.55		51	......	115.25	......	......	......	......	7.60	22.00
33.14		52	97.00	117.85	......	159.60	......	......	7.70	22.40
33.78		53	......	......	......	......	......	......	7.80	22.80
34.42		54	......	123.10	144.90	......	......	......	7.95	23.20
35.05		55	103.40	125.70	147.95	170.25	192.55	214.85	8.05	23.60
35.69		56	105.50	128.35	......	......	......	......	8.15	24.00
36.33		57	107.65	130.90	154.15	......	......	......	8.25	24.40
36.97		58	......	133.50	157.25	180.95	......	......	8.40	24.80
37.60		59	111.90	......	......	184.50	......	......	8.50	25.20
38.24		60	114.05	138.70	163.40	188.10	212.75	237.45	8.60	25.60
38.88		61	......	141.45	......	......	......	......	8.70	26.00
39.51		62	118.50	......	169.95	......	......	......	8.80	26.40
40.15		63	120.75	147.00	173.25	199.45	......	......	8.95	26.80
40.79		64	122.95	149.75	......	......	230.00	256.85	9.05	27.20
41.42		65	125.20	......	179.75	207.05	......	......	9.15	27.60
42.06		66	127.40	......	......	......	......	......	9.25	28.00
42.70		67	129.60	......	......	......	......	......	9.35	28.40
43.33		68	131.85	160.75	189.60	218.50	247.35	276.20	9.50	28.80
43.96		69	134.05	......	......	......	......	......	9.60	29.20
44.61		70	......	......	......	226.10	......	......	9.70	29.60
45.24		71	138.00	......	......	......	......	......	9.80	30.00

List Prices of Chains, Wheels and Flanges—Continued

2-INCH PITCH

Pitch Diameter, Inches	Type of Wheel, (see page 62)	Number of Teeth	Nominal Width of Chain						Add to Price of Wheel for Flanging	
			6″	8″	10″	12″	14″	16″		
			List Prices of Chain per Foot, for Given Width							
			$ 12.10	$ 16.30	$ 20.55	$ 24.80	$ 29.20	$ 33.85	Wire	Plate
			List Prices Cut Cast Iron Wheels							
45.88	Type 4	72	$140.75	....	$202.70	....	....	....	$ 9.90	$30.40
46.52		73	....	....	....	$237.45	....	....	10.05	30.80
47.15		74	....	....	....	....	....	....	10.15	31.20
47.79		75	147.50	$180.05	212.55	245.05	$277.60	$310.10	10.25	31.60
48.43		76	....	....	....	....	....	....	10.35	32.00
49.07		77	....	....	....	252.65	....	....	10.45	32.40
49.70		78	154.25	188.30	....	....	....	....	10.60	32.80
50.34		79	....	....	....	....	....	....	10.70	33.20
50.98		80	158.70	193.85	229.00	264.15	299.30	334.35	10.80	33.60
51.61		81	....	....	....	....	....	....	10.90	34.00
52.25		82	....	....	....	....	....	....	11.00	34.40
52.89		83	166.10	....	....	....	....	....	11.15	34.80
53.52		84	168.65	205.95	243.25	280.55	317.80	355.10	11.25	35.20
54.16		85	171.15	....	....	....	....	....	11.35	35.60
54.80		86	173.65	....	....	....	....	....	11.45	36.00
55.44		87	....	....	....	....	....	....	11.55	36.40
56.07		88	....	....	....	....	....	....	11.70	36.80
56.71		89	181.10	221.05	....	....	....	....	11.80	37.20
57.35		90	183.60	224.10	264.65	305.20	345.70	386.25	11.90	37.60
57.98		91	....	....	....	....	....	....	12.00	38.00
58.62		92	....	....	....	....	....	....	12.10	38.40
59.26		93	....	....	....	....	....	401.80	12.25	38.80
59.89		94	....	....	278.90	321.60	....	....	12.35	39.20
60.53		95	196.00	....	....	....	....	....	12.45	39.60
61.17		96	198.50	....	286.00	....	368.90	....	12.55	40.00
61.80		97	....	....	289.60	333.90	....	....	12.65	40.40
62.44		98	203.45	....	....	338.05	....	....	12.80	40.80
63.08		99	....	....	....	....	....	....	12.90	41.20
63.72		100	208.45	254.35	300.30	346.25	392.15	438.10	13.00	41.60
64.35		101	....	....	....	....	....	....	13.10	42.00
64.99		102	213.45	260.40	307.45	....	....	....	13.20	42.40
65.63		103	....	....	311.00	....	....	....	13.35	42.80
66.26		104	....	....	....	....	....	....	13.45	43.20
66.90		105	220.90	269.50	318.15	366.80	415.40	464.05	13.55	43.60
67.54		106	....	....	....	....	....	....	13.65	44.00
68.17		107	....	....	....	....	....	....	13.75	44.40
68.81		108	....	278.60	328.85	....	....	....	13.90	44.80
69.45		109	....	....	....	....	....	....	14.00	45.20
70.09		110	233.35	284.65	336.00	387.35	438.65	490.00	14.10	45.60
70.72		111	....	....	339.55	391.45	....	495.15	14.20	46.00
71.36		112	....	....	343.15	395.55	....	....	14.30	46.40
72.00		113	....	....	....	....	....	....	14.45	46.85
72.63		114	242.30	....	....	....	....	....	14.55	47.20
73.27		115	....	299.80	353.85	407.90	461.90	515.95	14.65	47.60
73.91		116	....	....	....	....	....	....	14.75	48.00
74.55		117	....	....	....	....	....	....	14.85	48.40
75.18		118	....	....	....	....	....	....	15.00	48.80
75.82		119	....	....	....	....	....	....	15.10	49.20
76.46		120	258.25	314.95	371.70	428.45	485.15	541.90	15.20	49.60
77.09		121	....	....	....	....	....	....	15.30	50.00
77.73		122	....	....	....	....	....	....	15.40	50.40
78.37		123	....	....	....	....	....	....	15.55	50.80
79.01		124	....	....	....	....	....	....	15.65	51.20
79.64		125	271.10	330.70	390.25	450.85	510.45	569.05	15.75	51.60
82.84		130	283.95	346.40	408.85	471.30	533.70	596.20	16.30	53.60

List Prices of Chains, Wheels and Flanges—Continued

2 1/2-INCH PITCH

Pitch Diameter, Inches	Type of Wheel, (see page 62)		Number of Teeth	Nominal Width of Chain						Add to Price of Wheel for Flanging	
				6″	8″	10″	12″	14″	16″		
				List Prices of Chain per Foot, for Given Width							
				$ 18.00	$ 23.00	$ 28.50	$ 34.00	$ 39.50	$ 45.50	Wire	Plate
				List Prices Cut Steel Pinions							
15.19	Type 2		19	$ 96.15	$122.95	$149.75	$176.55	$203.40	$230.25	......	$13.80
16.77			21	116.65	149.30	182.00	214.55	247.35	280.05	......	15.00
18.36			23	139.70	179.00	218.30	257.55	296.85	336.20	......	16.20
				List Prices Cut Cast Iron Wheels							
19.94			25	62.90	76.20	89.50	102.80	116.10	129.45	......	17.40
20.74	Type 3″, 10″ to 16″ wide	Type 3 6″ to 10″ wide	26	......	......	......	......	......	......	......	18.00
21.53			27	68.70	83.30	97.90	112.50	127.15	141.80	......	18.60
22.32			28	......	......	......	......	......	......	......	19.20
23.12			29	......	......	106.40	......	......	......	......	19.80
23.91			30	77.55	94.10	110.65	127.20	143.80	160.40	......	20.40
24.71			31	......	......	......	......	......	......	......	21.00
25.50			32	......	......	......	......	......	......	......	21.60
26.30			33	86.30	104.80	123.30	141.85	160.35	179.00	......	22.20
27.09			34	......	......	......	......	165.90	185.20	......	22.80
27.88			35	......	......	......	......	......	......	......	23.40
28.68		Type 4	36	95.10	115.55	136.00	156.55	177.05	197.50	......	24.00
29.47			37	......	......	......	......	......	......	......	24.60
30.27			38	......	......	......	......	......	......	......	25.20
31.06			39	......	......	......	......	......	......	......	25.80
31.86			40	106.85	129.90	153.00	176.10	199.20	222.30	......	26.40
32.65			41	......	......	......	......	......	......	......	27.00
33.45	Type 4		42	......	......	......	......	......	......	......	27.60
34.24			43	......	......	......	......	......	......	......	28.20
35.04			44	......	......	......	......	......	......	......	28.80
35.83			45	123.10	149.80	176.50	203.20	229.95	256.70	......	29 40
36.63			46	......	......	......	......	......	......	......	30.00
37.42			47	....	......	......	......	......	......	......	30.60
38.22			48	......	......	......	......	......	......	......	31.20
39.02			49	......	......	......	......	......	......	......	31.80
39.81			50	139.35	169.70	200.05	230.40	260.75	291.10	......	32.40
40.61			51	......	......	......	......	......	......	......	33.00
41.40			52	......	......	......	241.25	273.05	......	......	33.60
42.20			53	......	......	......	......	......	......	......	34.20
42.99			54	......	......	......	......	285.35	......	......	34.80
43.79			55	155.60	189.55	223.55	257.55	291.55	325.55	......	35.40
44.58			56	......	......	......	......	......	......	......	36.00
45.38			57	......	......	......	......	......	......	......	36.60
46.17			58	......	......	......	......	......	......	......	37.20
46.97			59	......	......	......	......	......	......	......	37.80
47.76			60	171.90	209.50	247.10	284.70	322.35	360.00	......	38.40
48.56			61	......	......	......	......	......	......	......	39.00
49.35			62	......	......	......	......	......	......	......	39.60
50.15			63	......	......	......	......	......	......	......	40.20
50.95			64	185.90	226.60	267.30	308.05	348.80	389.60	......	40.80
51.74			65	......	......	......	......	......	......	......	41.40
52.54			66	......	......	......	......	......	......	......	42.00
53.33			67	......	......	......	......	......	......	......	42.60
54.13			68	199.90	243.70	287.55	331.40	375.25	419.20	......	43.20
54.92			69	......	......	......	......	......	......	......	43.80
55.72			70	......	......	......	......	......	......	......	44.40
56.51			71	......	......	......	......	......	......	......	45.00

List Prices of Chains, Wheels and Flanges—Continued

2 1/2-INCH PITCH

Pitch Diameter, Inches	Type of Wheel, (see page 62)	Number of Teeth	Nominal Width of Chain						Add to Price of Wheel for Flanging	
			6″	8″	10″	12″	14″	16″		
			List Prices of Chain per Foot, for Given Width							
			$ 18.00	$ 23.00	$ 28.50	$ 34.00	$ 39.50	$ 45.50	Wire	Plate
			List Prices Cut Cast Iron Wheels							
57.31	Type 4	72	......	......	......	......	......	......	......	$45.60
58.10		73	......	......	$312.85	......	......	......	......	46.20
58.90		74	......	......	......	......	......	......	......	46.80
59.70		75	$224.45	$273.75	323.05	$372.35	$421.65	$471 00	......	47.40
60.49		76	......	......	......	......	......	......	......	48.05
61.29		77	......	......	......	......	......	......	......	48.65
62.08		78	......	......	......	389.90	......	......	......	49.30
62.88		79	238.50	290.90	343.30	395.75	448.15	500.60	......	49.90
63.67		80	......	......	......	......	......	......	......	50.50
64.47		81	......	......	......	......	......	......	......	51.10
65.26		82	......	......	......	......	......	......	......	51.70
66.06		83	......	......	......	......	......	......	......	52.30
66.86		84	256.85	313.35	359.90	426.40	482.95	539.45	......	52.90
67.65		85	......	......	......	......	......	......	......	53.50
68.45		86	......	......	......	......	......	......	......	54.10
69.24		87	......	......	......	......	......	......	......	54.70
70.04		88	......	......	......	......	......	......	......	55.30
70.83		89	......	......	......	......	......	......	......	55.90
71.63		90	279.25	340.70	402.20	463.70	525.20	586.70	......	56.50
72.43		91	......	......	......	......	......	......	......	57.10
73.22		92	......	......	......	......	......	......	......	57.70
74.02		93	......	......	......	......	......	......	......	58.30
74.81		94	294.15	358.90	423.70	488.50	553.35	618.15	......	58.90
75.61		95	......	......	......	......	......	......	......	59.50
76.40		96	......	......	......	......	......	......	......	60.10
77.20		97	......	......	......	......	......	......	......	60.70
77.99		98	......	......	......	......	......	......	......	61.30
78.79		99	......	......	......	......	......	......	......	61.90
79.59		100	316.55	386.30	456.05	525.80	595.60	665.40	......	62.50
80.38		101	......	......	......	......	......	......	......	63.10
81.18		102	......	......	......	......	......	......	......	63.70
81.97		103	......	......	......	......	......	......	......	64.30
82.77		104	......	......	......	......	......	......	......	64.90
83.56		105	335.25	409.15	483.05	556.95	630.85	704.80	......	65.50
84.36		106	......	......	......	......	......	......	......	66.10
85.16		107	......	......	......	......	......	......	......	66.70
85.95		108	......	......	......	......	......	......	......	67.30
86.75		109	......	......	......	......	......	......	......	67.90
87.54		110	353.95	432.00	510.05	588.10	666.15	744.20	......	68.50
88.34		111	......	436.55	......	......	......	......	......	69.10
89.13		112	......	......	......	......	......	......	......	69.70
89.93		113	......	......	......	......	......	......	......	70.30
90.73		114	......	......	......	......	......	......	......	70.90
91.52		115	372.60	454.80	537.00	619.20	701.40	783.60	......	71.50
92.32		116	......	......	......	......	......	......	......	72.10
93.11		117	......	......	......	......	......	......	......	72.70
93.91		118	......	......	......	......	......	......	......	73.30
94.70		119	......	......	......	......	......	......	......	73.90
95.50		120	391.30	477.60	563.95	650.30	736.65	823.00	......	74.50
96.29		121	......	......	......	......	......	......	......	75.10
97.09		122	......	......	......	......	......	......	......	75.70
97.89		123	......	......	......	......	......	......	......	76.30
98.68		124	......	......	......	......	......	......	......	76.90
99.48		125	411.00	501.80	592.60	683.40	774.20	865.00	......	77.50
103.46		130	430.75	526.00	621.25	716.50	811.75	907.00	......	80.50

Standard Hub Sizes. Charges for Splitting, etc.

Nominal Pitch of Chain	Values in Table at Right Apply to Wheels Having Number of Teeth Given Below, to Operate With Chains of Width Indicated at Head of Column and Pitch Indicated at Left							Normal Bore of Wheel	Maximum Bore at List Price	Add to List Price for Splitting Cast Iron Wheel	Add to List Price for Splitting Cast Steel Wheel	Add to List Price for Splitting Forged Pinion	Approximate Length of Hub on Shaft, Solid Wheel	Approximate Length of Hub on Shaft, Split Wheel	For Approximate Hub Diameter, See Note No. 1	To Obtain Additional Charge for Extra Large Hubs, See Note No. 2	
	Nominal Width of Chain.																
	½″	¾″	1″	1¼″	1½″	2″	3″								E	G	H
⅜″	15 to 108	15 to 83	15 to 58	15 to 44	15 to 39	15 to 27		11/16	2	$2.00	$4.50	$8.00	2″	3½″	¾	.12	4
	109 to 130	84 to 130	59 to 130	45 to 113	40 to 100	28 to 75	15 to 50	15/16	2	2.15	4.75	8.50	2¼″	3½″	1	.13	5
				114 to 130	101 to 130	76 to 130	51 to 121	1 3/16	2½	2.45	5.75		2½″	4 ″	1	.135	6
							122 to 130	1 7/16	3	2.90	6.00		3 ″	4 ″	1¼	.145	9
	Nominal Width of Chain.																
	½″	¾″	1″	1½″	2″	3″	4″										
½″	17 to 62	17 to 40	17 to 29					11/16	2	2.00	4.50	8 00	2 ″	3½″	¾	.12	4
	63 to 130	41 to 99	30 to 76	17 to 49	17 to 37			15/16	2	2.15	4.75	8.50	2¼″	3½″	1	.13	5
		100 to 130	77 to 130	50 to 130	38 to 93	17 to 60	17 to 43	1 3/16	2½	2.45	5.75	10.50	2½″	4 ″	1	.135	6
					94 to 130	61 to 130	44 to 105	1 7/16	3	2.90	6.00	11.00	3 ″	4 ″	1¼	.145	9
							106 to 130	1 11/16	3½	3.50	7.00		3½″	4 ″	1½	.15	12
	Nominal Width of Chain.																
	1″	1¼″	1½″	2″	3″	4″	6″										
⅝″	17 to 47	17 to 37	17 to 31					15/16	2	2.15	4.75	8.50	2¼″	3½″	1	.13	5
	48 to 119	38 to 91	32 to 74	17 to 54	17 to 36			1 3/16	2½	2.45	5.75	10.50	2½″	4″	1	.135	6
	120 to 130	92 to 130	75 to 130	55 to 130	37 to 84	17 to 63	17 to 42	1 7/16	3	2.90	6.00	11.00	3 ″	4″	1¼	.145	9
					85 to 130	64 to 130	43 to 87	1 11/16	3½	3.50	7.00	13.00	3½″	4″	1½	.15	12
							88 to 130	1 15/16	4	4.25	8.25		4 ″	5″	1¾	.16	16

NOTE 1—For approximate diameter of hub add value "E" to diameter of shaft, plus 2 times the depth of keyway.

NOTE 2—Additional amount to be added to list price for hubs larger than specified above, may be obtained as follows: Multiply diameter of bore by length of hub, subtract "H," and multiply by "G."

NOTE 3—Solid pinions (Type 2, page 62) have no hubs, consequently have bearing on shaft equal to face of wheel, and additional width when split.

Standard Hub Sizes. Charges for Splitting, etc.

Nominal Pitch of Chain	Values In Table at Right Apply to Wheels Having Number of Teeth Given Below, to Operate with Chains of Width Indicated at Head of Column and Pitch Indicated at Left							Normal Bore of Wheel	Maximum Bore at List Price	Add to List Price for Splitting Cast Iron Wheel	Add to List Price for Splitting Cast Steel Wheel	Add to List Price for Splitting Forged Pinion	Approximate Length of Hub on Shaft, Solid Wheel	Approximate Length of Hub on Shaft, Split Wheel	For Approximate Hub Diameter, See Note No. 1	To Obtain Additional Charge for Extra Large Hubs, See Note No. 2	
	Nominal Width of Chain.																
	1"	1½"	2"	3"	4"	5"	6"								E.	G.	H.
¾"	17 to 74	17 to 49	17 to 35					1 3/16"	2½"	$ 2.45	$ 5.75	$10.50	2½"	4"	1"	.135	6
	75 to 130	50 to 112	36 to 83	17 to 55	17 to 41	17 to 33		1 7/16"	3"	2.90	6.00	11.00	3"	4"	1¼"	.145	9
		113 to 130	84 to 130	56 to 114	42 to 85	34 to 67	17 to 56	1 11/16"	3½"	3.50	7.00	13.00	3½"	4"	1½"	.15	12
				115 to 130	86 to 130	68 to 106	57 to 87	1 15/16"	4"	4.25	8.25		4"	5"	1¾"	.16	16
						107 to 130	88 to 130	2 3/16"	4½"	5.00	9.50		4½"	5"	2"	.17	20
	Nominal Width of Chain.																
	2"	2½"	3"	4"	5"	6"	8"										
1"	17 to 51	17 to 39	17 to 32					1 7/16"	3"	$ 2.90	$ 6.00	$11.00	3"	4"	1¼"	.145	9
	52 to 103	40 to 81	33 to 67	17 to 47	17 to 38	17 to 31		1 11/16"	3½"	3.50	7.00	13.00	3½"	4"	1½"	.15	12
	104 to 130	82 to 130	68 to 104	48 to 75	39 to 59	32 to 48	17 to 35	1 15/16"	4"	4.25	8.25	15.50	4"	5"	1¾"	.16	16
			105 to 130	76 to 107	60 to 84	49 to 68	36 to 53	2 3/16"	4½"	5.00	9.50	18.00	4½"	5"	2"	.17	20
				108 to 130	85 to 120	69 to 96	51 to 73	2 7/16"	5"	5.90	11.00	22.00	5"	5"	2"	.18	25
					121 to 130	97 to 130	74 to 105	2 11/16"	5½"	7.70	14.00		5½"	6½"	2¼"	.19	30
							106 to 130	2 15/16"	6"	9.50	17.00		6"	6½"	2½"	.20	35

NOTE 1—For approximate diameter of hub add value "E" to diameter of shaft, plus 2 times the depth of keyway.

NOTE 2—Additional amount to be added to list price for hubs larger than specified above, may be obtained as follows: Multiply diameter of bore by length of hub, subtract "H," and multiply by "G."

NOTE 3—Solid pinions (Type 2, page 62) have no hubs, consequently have bearing on shaft equal to face of wheel, and additional width when split.

Standard Hub Sizes. Charges for Splitting, etc.

Nominal Pitch of Chain	Values in Table at Right Apply to Wheels Having Number of Teeth Given Below, to Operate With Chains of Width Indicated at Head of Column and Pitch Indicated at Left							Normal Bore of Wheel	Maximum Bore at List Price	Add to List Price for Splitting Cast Iron Wheel	Add to List Price for Splitting Cast Steel Wheel	Add to List Price for Splitting Forged Pinion	Approximate Length of Hub on Shaft, Solid Wheel	Approximate Length of Hub on Shaft, Split Wheel	For Approximate Hub Diameter, See Note No. 1	To Obtain Additional Charge for Extra Large Hubs, See Note No. 2	
	Nominal Width of Chain.																
	2"	3"	4"	5"	6"	8"	10"								E.	G.	H.
1¼"	17 to 60	17 to 37						1 11/16"	3½"	$3.50	$7.00	$13.00	3½"	4"	1½"	.15	12
	61 to 94	38 to 59	17 to 42	17 to 33				1 15/16"	4"	4.25	8.25	15.50	4"	5"	1¾"	.16	16
	95 to 130	60 to 85	43 to 61	34 to 48	17 to 40			2 3/16"	4½"	5.00	9.50	18.00	4½"	5"	2"	.17	20
		86 to 120	62 to 86	49 to 68	41 to 57	17 to 42		2 7/16"	5"	5.90	11.00	22.00	5"	5"	2"	.18	25
		126 to 130	87 to 124	69 to 97	58 to 81	43 to 62	17 to 50	2 11/16"	5½"	7.70	14.00	27.00	5½"	6½"	2¼"	.19	30
			125 to 130	98 to 130	82 to 107	63 to 82	51 to 65	2 15/16"	6"	9.50	17.00	33.00	6"	6½"	2½"	.20	35
					106 to 130	83 to 105	66 to 85	3 3/16"	6½"	11.60	20.50		6½"	7½	2½"	.21	40
						106 to 130	86 to 116	3 7/16"	7"	13.70	24.00		7"	8"	2¾"	.22	50
							117 to 130	3 15/16"	8"	16.70	29.00		8"	8½"	3"	.23	65
	Nominal Width of Chain.																
	3"	4"	5"	6"	8"	10"	12"										
1½"	17 to 37							1 15/16"	4"	4.25	8.25	15.50	4"	5"	1¾"	.16	16
	38 to 52	17 to 39						2 3/16"	4½"	5.00	9.50	18.00	4½"	5"	2"	.17	20
	53 to 74	40 to 55	17 to 43	17 to 36				2 7/16"	5"	5.90	11.00	22.00	5"	5"	2"	.18	25
	75 to 107	56 to 78	44 to 62	37 to 52	17 to 39			2 11/16"	5½"	7.70	14.00	27.00	5½"	6½"	2¼"	.19	30
	108 to 130	79 to 104	63 to 82	53 to 68	40 to 52	17 to 41	17 to 34	2 15/16"	6"	9.50	17.00	33.00	6"	6½"	2½"	.20	35
		105 to 130	83 to 106	69 to 87	53 to 66	42 to 53	35 to 43	3 3/16"	6½"	11.60	20.50	40.00	6½"	7½"	2½"	.21	40
			107 to 130	88 to 118	67 to 91	54 to 74	44 to 59	3 7/16"	7"	13.70	24.00		7"	8"	2¾"	.22	50
				119 to 130	92 to 130	75 to 110	60 to 88	3 15/16"	8"	16.70	29.00		8"	8½"	3"	.23	65
						111 to 130	89 to 130	4 7/16"	9"	20.30	35.00		9"	10"	3"	.24	80

NOTE 1—For approximate diameter of hub add value "E" to diameter of shaft, plus 2 times the depth of keyway.

NOTE 2—Additional amount to be added to list price for hubs larger than specified above, may be obtained as follows: Multiply diameter of bore by length of hub, subtract "H," and multiply by "G."

NOTE 3—Solid pinions (Type 2, page 62) have no hubs, consequently have bearing on shaft equal to face of wheel, and additional width when split.

Standard Hub Sizes. Charges for Splitting, etc.

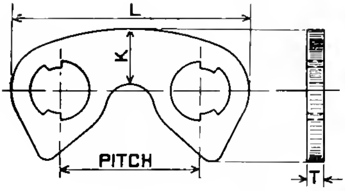
Nominal Pitch of Chain	Values in the Table at Right Apply to Wheels having number of Teeth Given Below, to Operate with Chains of Width Indicated at Head of Column and Pitch Indicated at Left — Nominal Width of Chain.						Normal Bore of Wheel	Maximum Bore at List Price	Add to List Price for Splitting Cast Iron Wheel	Add to List Price for Splitting Cast Steel Wheel	Approximate Length of Hub on Shaft, Solid Wheel	Approximate Length of Hub on Shaft, Split Wheel	For Approximate Hub Diameter, See Note No. 1	To Obtain Additional Charge for Extra Large Hubs, See Note No. 2	
	6"	8"	10"	12"	14"	16"							E.	G.	H.
2	19 to 51	19 to 37					3 3/16"	6½"	$11.60	$20.50	6½"	7½"	2½"	.21	40
	52 to 70	38 to 51	19 to 40				3 7/16"	7"	13.70	24.00	7"	8"	2¾"	.22	50
	71 to 102	52 to 76	41 to 59	19 to 34	19 to 42	19 to 37	3 15/16"	8"	16.70	29.00	8"	8½"	3"	.23	65
	103 to 130	77 to 114	60 to 92	35 to 49	43 to 65	38 to 56	4 7/16"	9"	20.30	35.00	9"	10"	3"	.24	80
		115 to 130	93 to 120	50 to 76	66 to 87	57 to 76	4 15/16"	10"	25.00	43.00	10"	11"	3½"	.26	100
			121 to 130	77 to 97	88 to 111	77 to 96	5 7/16"	11"	30.00	52.00	11"	11"	4"	.28	120
				98 to 130	112 to 130	97 to 130	5 15/16"	12"	36.00	61.00	12"	13"	4½"	.31	145
	Nominal Width of Chain.														
	6"	8"	10"	12"	14"	16"									
2½"	19 to 43						3 7/16"	7"	13.70	24.00	7"	8"	2¾"	.22	50
	44 to 65	19 to 45	19 to 35				3 15/16"	8"	16.70	29.00	8"	8½"	3"	.23	65
	66 to 96	46 to 69	36 to 55	19 to 45	19 to 38		4 7/16"	9"	20.30	35.00	9"	10"	3"	.24	80
	97 to 103	70 to 92	56 to 75	46 to 61	39 to 52	19 to 45	4 15/16"	10"	25.00	43.00	10"	11"	3½"	.26	100
		93 to 113	76 to 94	62 to 77	53 to 65	46 to 57	5 7/16"	11"	30.00	52.00	11"	11"	4"	.28	120
		114 to 130	95 to 120	78 to 106	66 to 86	58 to 76	5 15/16"	12"	36.00	61.00	12"	13"	4½"	.31	145
			121 to 130	107 to 130	87 to 119	77 to 100	6 7/16"	13"	44.00	75.00	13"	13"	5"	.35	170
					120 to 130	101 to 118	7"	14"	52.00	87.00	14"	15"	5½"	.40	200
						119 to 130	7½"	15"	60.00	100.00	15"	15"	6"	.45	230

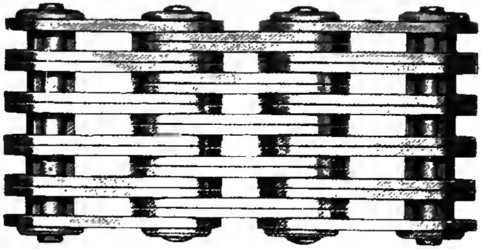
NOTE 1—For approximate diameter of hub add value "E" to diameter of shaft, plus 2 times the depth of keyway.

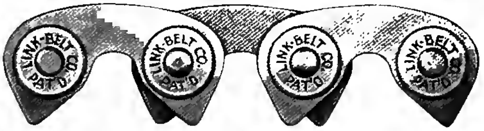
NOTE 2—Additional amount to be added to list price for hubs larger than specified above, may be obtained as follows: Multiply diameter of bore by length of hub, subtract "H," and multiply by "G".

NOTE 3—Solid pinions (Type 2, page 62) have no hubs, consequently have bearing on shaft equal to face of wheel, and additional width when split.

Plain Links







LIST PRICES OF SILENT CHAIN PLAIN LINKS OR LEAVES PER 100 PIECES

(Without Pins, Washers or Liners)

Pitch	⅜″	½″	⅝″	¾″	1″	1¼″	1½″	2″	2½″
List Price	$0.50	$0.54	$0.63	$0.74	$1.06	$3.15	$4.20	$7.40	$27.00
T Thickness	.060	.060	.060	.060	.060	.120	.120	.120	.24
L Length	.679	.877	1.082	1.297	1.717	2.127	2.547	3.386	4.38

The links for 1″ pitch chains were formerly .12″ thick, two of the .06″ links are required to replace one of the former.

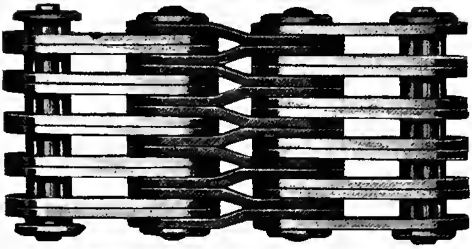
We have furnished two types of chain. Give us the measurement 'K' indicated on the above sketch.

LIST PRICES OF LINK-BELT SILENT CHAIN

Per Foot (Assembled)

Pitch, Inches	Nominal Width, Inches	Price per Ft.	Pitch, Inches	Nominal Width, Inches	Price per Ft.	Pitch, Inches	Nominal Width, Inches	Price per Ft.
⅜	½	$1.50	**¾**	1	$1.60	**1½**	3	$5.32
	¾	1.85		1¼	1.84		4	7.05
	1	2.20		1½	2.16		5	8.73
	1¼	2.45		2	2.68		6	10.41
	1½	2.72		3	3.76		8	13.86
	2	3.44		4	4.88		10	17.37
	3	4.80		6	6.96		12	21.00
½	½	1.30	**1**	2	2.88	**2**	6	12.10
	¾	1.55		2½	3.44		8	16.30
	1	1.75		3	4.04		10	20.55
	1½	2.24		4	5.28		12	24.80
	2	2.84		5	6.48		14	29.20
	3	4.00		6	7.68		16	33.85
	4	5.20		8	10.12	**2½**	6	18.00
⅝	1	1.85	**1¼**	2	3.22		8	23.00
	1¼	2.05		3	4.62		10	28.50
	1½	2.28		4	6.12		12	34.00
	2	2.84		5	7.56		14	39.50
	3	3.88		6	9.01		16	45.50
	4	5.00		8	11.90			
	6	7.52		10	14.90			

Offset Couplers



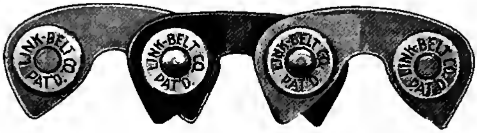


Table below gives list prices of assembled offset couplers, for chain of a pitch and width indicated at the head of column and left side of table respectively. The offset coupler consists of three pitches, and is required to produce a chain containing an odd number of pitches in its total length when coupled.

Although perfectly operative, they are not so strong as standard links, and should be used only in cases where other means of center adjustment are not available.

LIST PRICES OF OFFSETS (PER SET OF THREE PITCHES)

Nominal width of Chain, inches	PITCH OF CHAIN, INCHES						
	½	⅝	¾	1	1¼	1½	2
½	$0.20						
¾	.24	$0.28					
1	.28	.34	$0.40				
1¼	.32	.40	.46	$0.64			
1½	.37	.45	.54	.75	$1.00		
2	.47	.57	.67	.96	1.33	$1.82	
3	.67	.81	.94	1.35	1.92	2.66	
4	.87	1.05	1.22	1.76	2.55	3.53	$5.25
5		1.29	1.48	2.16	3.14	4.37	6.70
6		1.57	1.74	2.56	3.75	5.20	8.05
8			2.26	3.37	4.95	6.39	11.00
10				4.20	6.20	8.68	13.70
12							16.50
14							19.50
16							22.50

List Prices of Pins With Washers

Per 100

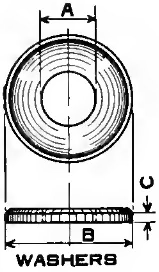
Nominal Width of Chain, inches	PITCH OF CHAIN, INCHES						
	⅜ and ½	⅝ and ¾	1	1¼	1½	2	2½
½	$1.25						
¾	1.31	$2.10					
1	1.37	2.17					
1¼	1.43	2.24	$3.25				
1½	1.49	2.31	3.33	$4.50			
2	1.61	2.45	3.50	4.72	$7.40		
3	1.85	2.73	3.82	5.16	8.04		
4	2.10	3.00	4.14	5.60	8.68	$12.00	
5		3.28	4.46	6.04	9.32	13.00	$19.50
6		3.55	4.78	6.48	9.96	14.00	21.00
8			5.42	7.35	11.24	16.00	24.00
10			6.05	8.30	12.42	18.00	27.00
12					13.70	20.00	30.00
14					15.00	22.00	33.00
16							36.00
Washers Only	$0.20	$0.30	$0.60	$0.90	$1.20	$1.50	$3.00

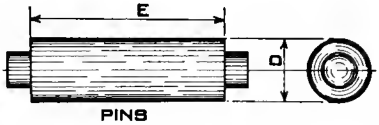
List Prices of Liners ("Half-Bushings")

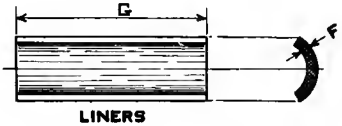
Per 100 Pieces

Nominal Width of Chain, inches	PITCH OF CHAIN, INCHES						
	⅜ and ½	⅝ and ¾	1	1¼	1½	2	2½
½	$0.63						
¾	.66	$1.05					
1	.69	1.08					
1¼	.72	1.12	$1.63				
1½	.75	1.16	1.66	$2.25			
2	.80	1.23	1.75	2.36	$3.70		
3	.98	1.37	1.91	2.58	4.02		
4	1.05	1.50	2.07	2.80	4.34	$6.00	
5		1.64	2.23	3.02	4.66	6.50	$9.75
6		1.77	2.39	3.24	4.98	7.00	10.50
8			2.71	3.67	5.62	8.00	12.00
10			3.03	4.15	6.21	9.00	13.50
12					6.85	10.00	15.00
14					7.50	11.00	16.50
16							18.00

Dimensions of Washers, Pins and Liners in Inches

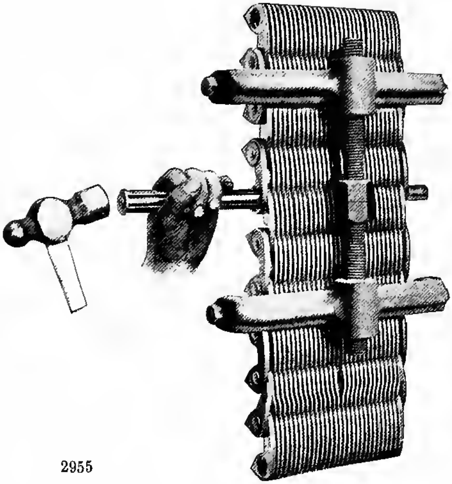






	WASHERS			PINS		LINERS	
Pitch	A	B	C	D	E	F	G
⅜″	.08	.250	.05	.109	Equal to the nominal width of the chain for ⅜″, ½″, ⅝″ and ¾″ pitch, and about ¼″ less than the nominal width of chain for larger pitches.	.04	Equal to the nominal width of the chain for ⅜″, ½″, ⅝″ and ¾″ pitch, and about ¼″ less than the nominal width of chain for larger pitches.
½″	.094	.285	.05	.125		.04	
⅝″	.156	.375	.05	.187		.05	
¾″	.156	.412	.05	.187		.06	
1″	.190	.500	.08	.250		.06	
1¼″	.230	.625	.08	.343		.08	
1½″	.306	.750	.08	.437		.08	
1¾″ to 2″	.375	.875	.10	.562		.08	
2½″	.625	1.75	.18	.750		.12	

We have furnished a number of different types of washers which vary slightly in dimensions from our present standard. The above will be found thoroughly satisfactory regardless of the original type of washer.



2955

The tool shown in the cut will be found very convenient for drawing the ends of the chain together for coupling.

Please specify size of chain to be coupled.

List Prices of Coupling Tools for Silent Chain

Max. Width	PITCH							
	½″	⅝″	¾″	1″	1¼″	1½″	2″	2½″
2″	$1.80	$1.80						
2½″			$2.10	$2.10				
3″	2.00	2.00	2.25	2.25	$3.00	$3.00		
4″	2.20	2.20						
5″			2.80	2.80				
6″	2.50	2.50			4.00	4.00	$8.00	$12.00
7″								
8″			3.60	3.60			9.60	
8″					6.00	6.00		
10″			4.50	4.50			10.00	15.00
12″								
14″			6.00	6.00	9.00	9.00	12.00	18.00
16″								
18″							15.00	23.00
20″								
24″								30.00

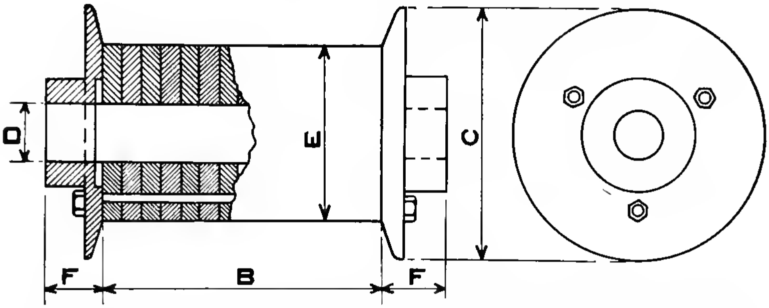
Other sizes on application.

Auxiliaries

Most Link-Belt Silent Chain Drives are furnished without auxiliary parts. However, for certain purposes, idlers, fly wheels, slip wheels, breaking pin hubs, shock absorbing wheels, etc., are employed.

In the following pages, these devices are illustrated, with a word as to their applicability.

Idlers For Silent Chain



The Silent Chain Idlers listed below are made of hard vulcanized fiber with cast iron retaining flanges. They are used as tighteners or carriers, and are designed to bear against the back of the chain.

Toothed sprockets bearing on the inside of the chain are preferable when conditions permit.

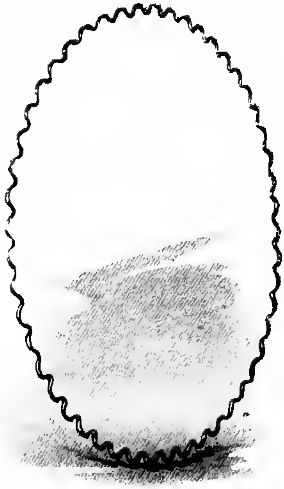
Nominal Diameter	DIMENSIONS						
		B	C	D	E	F	
2½″ 4 ″ 6 ″		See Pages 58 and 59	3½″ 6 ″ 9 ″	11/16″ 15/16″ 1 7/16″	2½″ 4 ″ 6 ″	⅝″ ⅞″ 1 ″	

LIST PRICE

Nominal Diameter	VALUE OF B						
	2″	4″	6″	8″	10″	14″	18″
2½″	$ 6.00	$ 8.00	$10.00	$12.00	$14.00	$18.00	$ 22.00
4 ″	10.00	17.00	24.00	31.00	38.00	45.00	52.00
6 ″	18.00	32.00	46.00	60.00	74.00	88.00	102.00

Special Sizes and Designs on Application.

List Price Crimped Wire



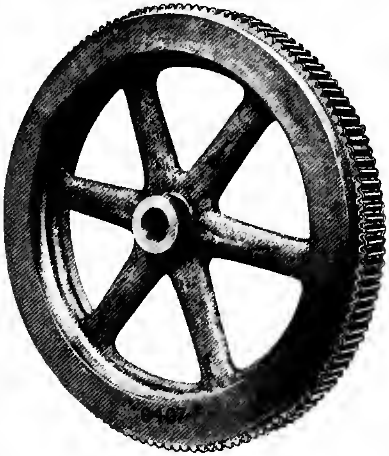
For Renewing Wire Flanges.

½″ pitch 10c per 100 crimps.
⅝″ pitch 10c per 100 crimps.
¾″ pitch 12c per 100 crimps.
1″ pitch 15c per 100 crimps.
1¼″ pitch 20c per 100 crimps.
1½″ pitch 30c per 100 crimps.
2″ pitch 50c per 100 crimps.

Customers can easily detach and replace flanges. See page 97.

Fly-wheel

It is often desirable to combine a Silent Chain sprocket with the flywheel of a machine. All of our flywheels are balanced, and those above 36 inches in diameter are furnished with clamp hubs. For this an additional charge is made.



Insulated Pinions

When insulated pinions are desirable the entire pinion is made of a special grade of hard vulcanized fibre, which produces a durable, very satisfactory material for the sprocket, as well as insuring perfect insulation.

Prices on application.

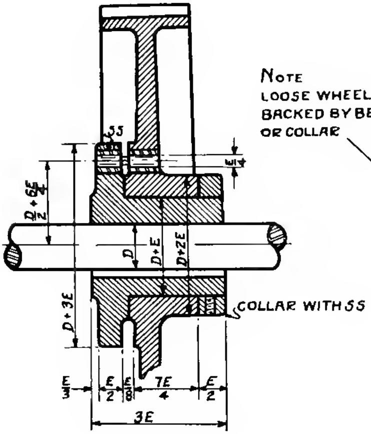
Lubricating Oil

To users of Link-Belt Silent Chain Drives, a high grade lubricating oil, such as should be used for the chain, will be furnished at cost, which is now 75c net per gallon in gallon cans, or 65c net per gallon in half barrel or barrel lots. A barrel contains about 52 gallons.

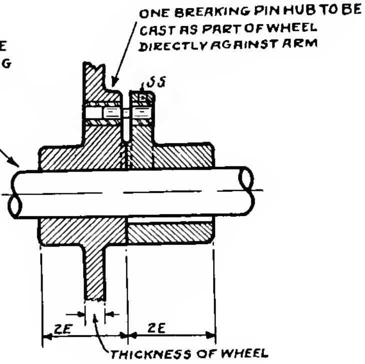
Sample gallon of oil furnished with each drive.

Breaking Pin Hubs

When the machinery to be driven by the chain is liable to become damaged, breaking pins are employed to advantage, as they are made the weakest spot in the train, and so protect the other parts. The pins themselves are readily replaced.



Type A


NOTE
LOOSE WHEEL TO BE BACKED BY BEARING OR COLLAR
ONE BREAKING PIN HUB TO BE CAST AS PART OF WHEEL DIRECTLY AGAINST ARM
55
2E
2E
THICKNESS OF WHEEL

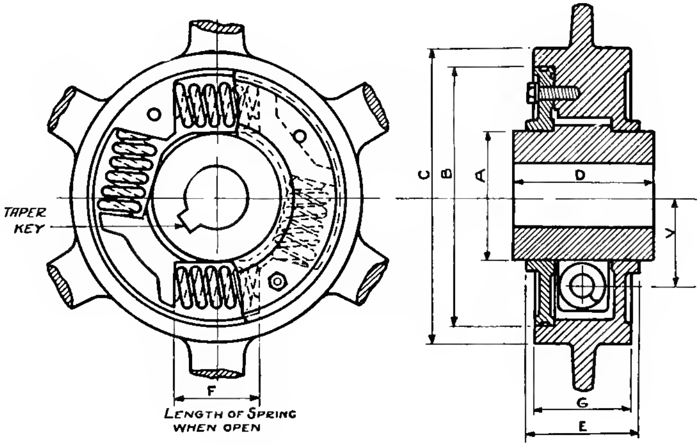
Type B

TYPE A		
Bore	List Price	E
$1\frac{3}{16}$	$ 9.60	See Pages 82 to 85
$1\frac{7}{16}$	10.80	
$1\frac{11}{16}$	12.00	
$1\frac{15}{16}$	13.00	
$2\frac{3}{16}$	14.20	
$2\frac{7}{16}$	16.00	
$2\frac{15}{16}$	22.00	
$3\frac{7}{16}$	30.00	
$3\frac{15}{16}$	40.00	
$4\frac{7}{16}$	50.00	
$4\frac{15}{16}$	60.00	
$5\frac{15}{16}$	86.00	

TYPE B		
Bore	List Price	E
$1\frac{3}{16}$	$ 7.00	For Space on Shaft See Pages 82 to 85
$1\frac{7}{16}$	7.70	
$1\frac{11}{16}$	8.40	
$1\frac{15}{16}$	9.00	
$2\frac{3}{16}$	9.80	
$2\frac{7}{16}$	11.00	
$2\frac{15}{16}$	14.00	
$3\frac{7}{16}$	19.00	
$3\frac{15}{16}$	24.00	
$4\frac{7}{16}$	30.00	
$4\frac{15}{16}$	37.00	
$5\frac{15}{16}$	52.00	

Spring Center Wheels

Spring center wheels are used to absorb shock, and to relieve the chains from the strain of abrupt starting. However, these wheels are not applicable to all classes of drives. In determining the size of spring center, it is best to select as large a one as the diameter of the wheel will permit.



DIMENSIONS IN INCHES

and list price to be added to list price of wheel to cover Spring Center construction.

Set No.	Max. Bore	A	B	C	D	E	F	V	Number of Springs	List Price
4	2 3/16	4	7 11/16	8 11/16	4 1/2	3 7/8	2 1/2	2 7/8	4	$20.00
5	2 15/16	5	11 3/8	12 3/8	5 1/2	5 1/8	4	3 7/8	4	23.00
6	3 15/16	6	12	13 3/4	6	5 3/8	4	4 1/8	4	27.00
8	5 7/16	8	14	16 1/2	6	5 5/8	4	5 1/4	4	35.00
10	6 1/4	10	17 1/4	20 1/8	6	5 3/8	3 1/2	6 5/8	6	45.00
14	8 3/4	14	20	22	7	5 7/8	4	8 3/8	6	65.00
16	10	16	22	24	7	6 1/8	4	9 3/8	6	90.00
20	12	19 3/4	29 3/4	32 1/4	11	10	5	12	6	140.00
24	16	24 1/2	35	37 1/2	10 1/2	10	6	14 3/4	6	200.00

Equalizing Wheels

When one strand of chain is insufficient to transmit the amount of power—two or more strands are employed. Equalizing wheels divide the load between the chains.

Slip Wheels

In cases where heavy fluctuation in the load necessitates momentary changes in speed, positive drives are sometimes inadvisable. Slip wheels are designed for such requirements, allowing a compact, efficient, friction drive.

Brass Bushings

Silent chain sprockets should be brass bushed

When they run loose on shaft.

When steel sprockets are used with jaw or friction clutches.

When cast iron sprockets are used with clutches, excepting cases in which the clutch is seldom thrown out and them for short periods at a time.

I. D.—inside diameter in inches. O. D.—outside diameter in inches.

Column A—list price for first inch of length.

Column B—list price for each additional inch of length.

Column C—list price to add where total length of split bush exceeds 12 inches.

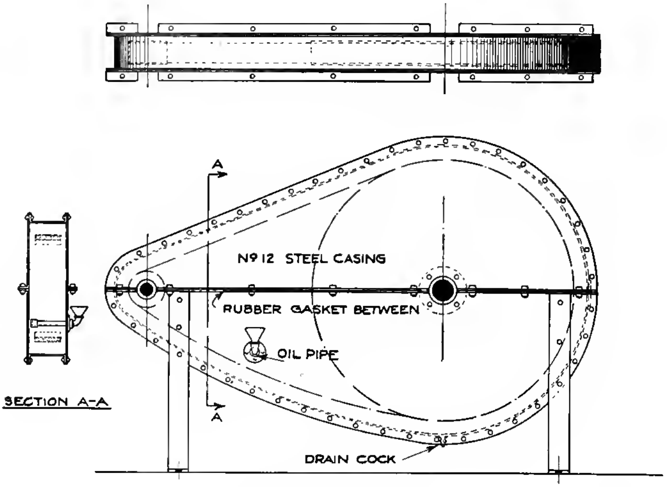
Size		Solid		Split		
I. D.	O. D.	A	B	A	B	C
1 7/16	1 15/16	$ 4.20	$0.80	$7.20	$1.00	$1.90
1 11/16	2 3/16	4.30	.90	7.40	1.10	2.00
1 15/16	2 7/16	4.50	1.00	7.70	1.20	2.10
2 3/16	2 11/16	4.70	1.10	8.00	1.30	2.20
2 7/16	2 15/16	4.90	1.20	8.30	1.40	2.30
2 11/16	3 3/16	5.10	1.30	8.60	1.50	2.40
2 15/16	3 7/16	5.30	1.40	9.00	1.60	2.60
3 7/16	3 15/16	5.80	1.70	9.90	1.90	2.90
3 15/16	4 9/16	6.40	2.00	10.80	2.30	3.20
4 7/16	5 1/16	7.10	2.30	11.80	2.70	3.50
4 15/16	5 9/16	8.00	2.70	13.00	3.10	3.90
5 7/16	6 3/16	9.20	3.10	14.50	3.50	4.30
5 15/16	6 11/16	10.50	3.50	16.00	4.00	4.70

No extra charge for fitting bushings into Wheels, Pulleys, Couplings, etc., when ordered together.

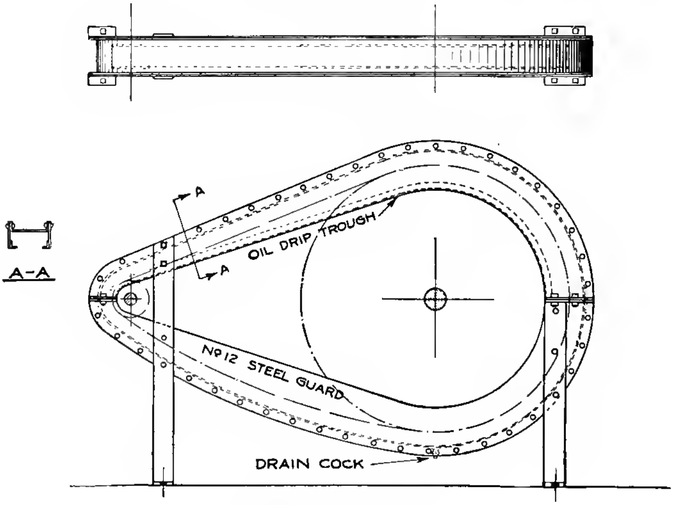
Casings

Casings are advisable, not only when chain speed makes it necessary for lubrication purposes, but also as protection from moving parts, and to prevent oil from splashing.

We illustrate two types, but do not list prices, as this work can be done economically by local tinsmith, by the use of these drawings.



Dust Tight Casing



Skeleton Casing

Wire-Flanges

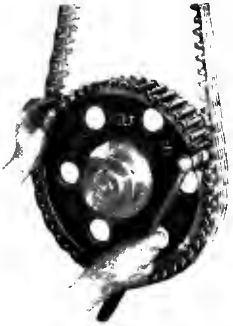


Fig. 1

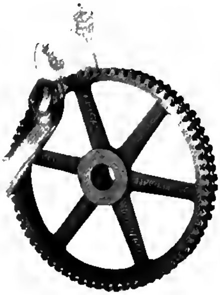


Fig. 2

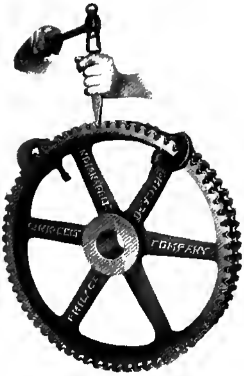


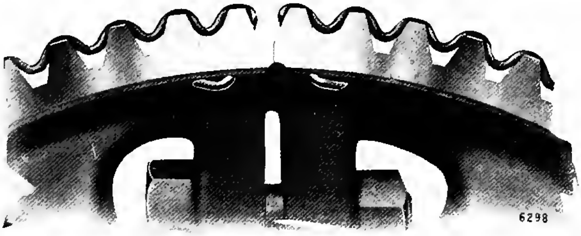
Fig. 3

have been adopted after exhaustive tests which demonstrated their great advantages. The easy application and removal of these flanges are illustrated. No special contrivance or tools are needed. The stability of the flange in position, and its superiority as a guide for the chain, make it ideal for use on high-speed drive chain wheels. When installing or removing coupled chain, it may be slid on or off the wheel at the same time.

Figs. 1-2. In placing the wire-flange on the wheel, it should be held in place by hand and lightly tapped into position with a hammer until it is necessary to use a pry, as shown.

Fig. 3. Should the flange, by repeated applications and removals, become slightly stretched, it can be tightened easily by clamping and setting it down between a few of the teeth with a blunt-nose chisel as shown.

To remove a flange, insert pries under depressed parts, raise the flange out of groove in teeth, and repeat as required.

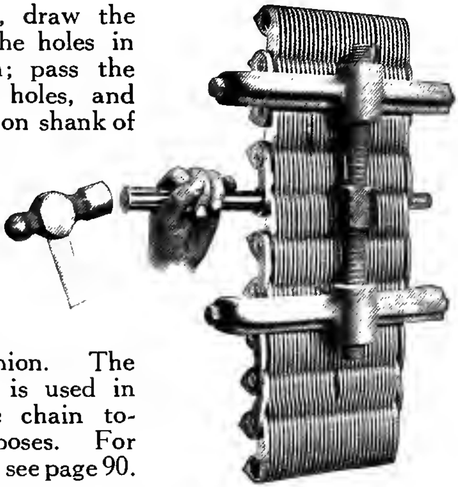


Holes are drilled through the rim of the wheel, the ends of the wire are passed through these holes and bent over as indicated, and are readily detached and replaced.

Instructions for Installing and Starting

Connecting Chain.

To connect the chain, draw the two ends together until the holes in the adjacent links match; pass the pointed drift through the holes, and place bushings in position on shank of drift, insert pin between bushings, and drive all together into position; put on washer and rivet down. The chain can often be held in position by bringing the joints together while the links are meshed into the pinion. The clamp shown in the cut is used in drawing the ends of the chain together for coupling purposes. For price list and specifications, see page 90.



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Tension on Chain.

It is difficult to give a definite rule for proper tension on the chain, because of varying conditions. In most cases, however, it is preferable to run the chain in a manner which would be just too slack if leather belt were used. If the drive is subject to fluctuations in speed, it is desirable to run the chain practically taut, to avoid undue vibration. Arrange for adjustable centers if possible.

Lubrication.

The chain should be lubricated at least twice a week with chain oil, applied most conveniently by a brush of *sufficient width* to cover the chain, from the inside of the chain, when the drive is running slowly, so that the centrifugal force will throw the oil into the joints. When the chain is dirty or stiff from accumulations, take it off, soak it in gasoline, dry thoroughly, then immerse in a good quality of lubricating oil, preferably containing a small amount of Oildag (very finely divided graphite), to form a base for lubrication.

Cautions.

See that the shafts are perfectly parallel and level; see that the sprockets are properly in line; examine the joints to see that you have not riveted up too tight, causing binding; *see that the chain joints are thoroughly saturated with oil before starting; see that the oil gets down between the links to the pin.*

More damage can be done by improper starting than by years of service.

The Design of Automobile Drives

The engineering data furnished in this catalog apply to Link-Belt Silent Chain as a universal means for transmitting power. However, there are a great number of extremely special applications having decided characteristics which cause modification of the rules. One of the most pronounced of these instances is that of the auxiliary drives of an automobile engine. Power to be transmitted is hardly any gauge of the size of the chain which should be employed. These drives run with little or no initial slack, hence smaller driven wheels operate more satisfactorily than with ordinary drives. The question of vibrations needs as careful consideration as the driving load itself. Until such a time as we are prepared to furnish complete data on the above subject, our prospective users should refer problems of this nature to us.

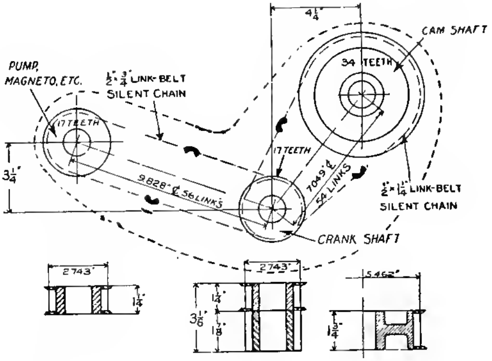
If you will send us the size and number of cylinders of your engine, center distance and relative position of shafts, and details as to what each shaft is called upon to drive, together with the ratios desired, we will gladly suggest a drive to meet your particular need.

Our special Booklet No. 201, issued in standard S. A. E. form, gives engineering information. Copy sent on request.

Typical Drives

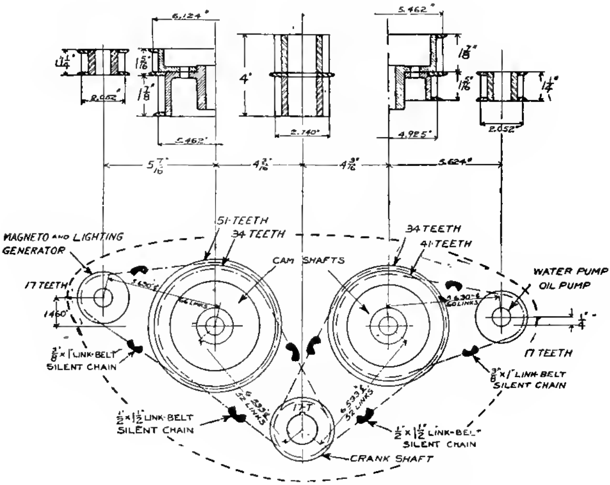
Type L

48 H. P. 4-Cylinders

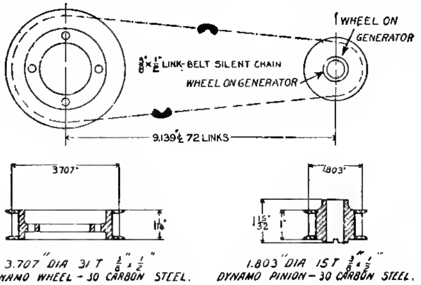


Type T

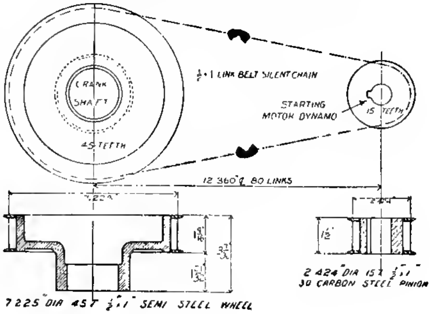
60 H. P. 6-Cylinders



Lighting Generator Drive



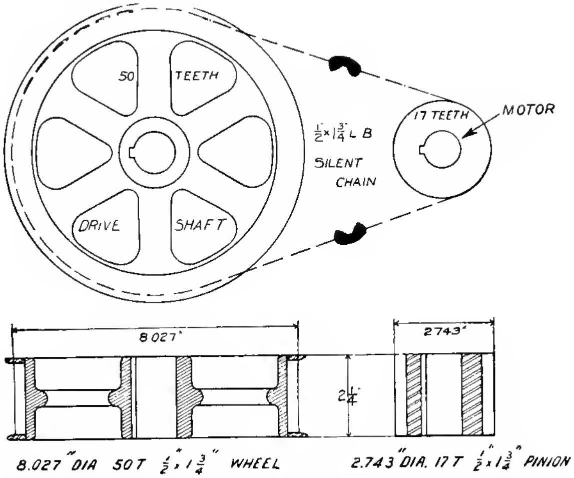
Electric Starter Drive



Typical Drives

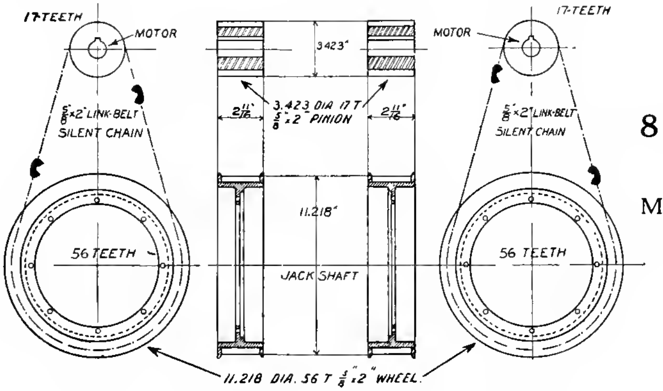
2 H. P. Electric Auto

Motor to Drive Shaft



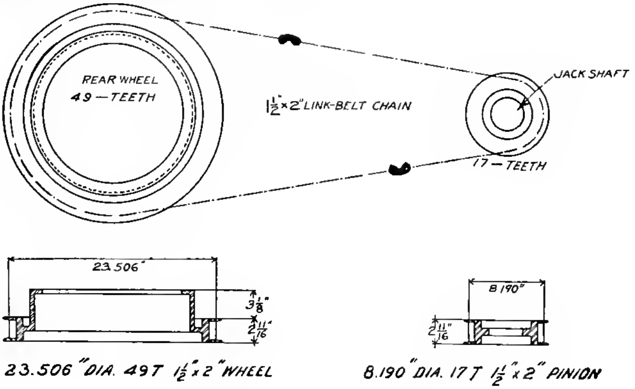
8 H. P. Electric Truck

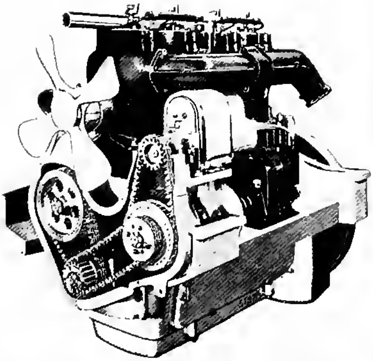
Motors to Jack Shaft

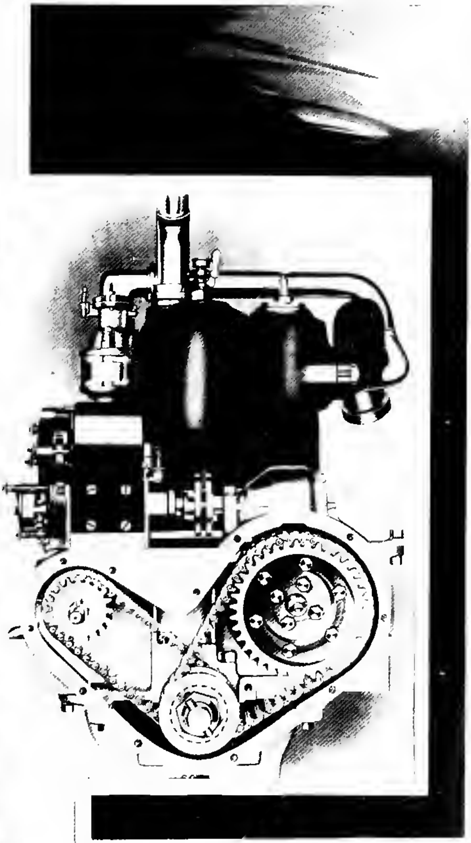

17-TEETH
MOTOR
⅝"×2" LINK-BELT SILENT CHAIN
56 TEETH
3.423"
2 11/16"
3.423 DIA 17 T ⅝"×2" PINION
2 11/16"
11.218"
JACK SHAFT
MOTOR
17-TEETH
⅝"×2" LINK-BELT SILENT CHAIN
56 TEETH
11.218 DIA. 56 T ⅝"×2" WHEEL.

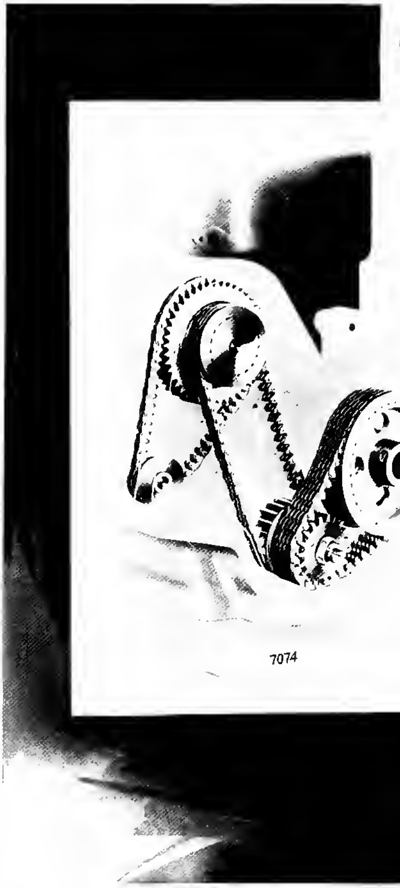
5 Ton Gasoline Truck

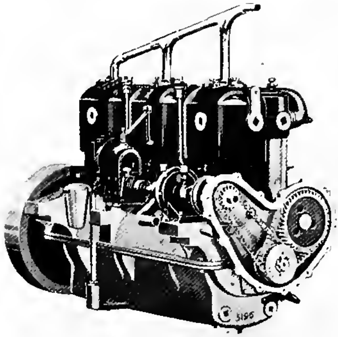
Jack Shaft to Rear Wheels











Typical Installations.

Horse Power of Line Shafts

Bearings Every Eight Feet. $H.\ P. = \frac{D^3 R}{75}$

Diam. of Shaft, Ins	REVOLUTIONS PER MINUTE													
	1	50	75	100	125	150	175	200	225	250	275	300	400	500
$1\frac{3}{16}$	.0223	1.12	1.67	2.23	2.79	3.35	3.91	4.46	5.02	5.58	6.14	6.70	8.93	11.16
$1\frac{7}{16}$	.0396	1.98	2.97	3.96	4.05	5.94	6.93	7.92	8.91	9.90	10.89	11.88	15.84	19.80
$1\frac{11}{16}$	.0641	3.20	4.81	6.41	8.01	9.61	11.21	12.81	14.41	16.02	17.61	19.22	25.63	32.04
$1\frac{11}{16}$	.0970	4.85	7.27	9.70	12.12	14.55	15.97	19.39	21.82	24.24	26.66	29.09	38.79	48.49
$2\frac{3}{16}$	.1396	6.98	10.47	13.96	17.45	20.93	24.14	27.91	31.40	34.89	38.38	41.87	55.82	69.78
$2\frac{7}{16}$	.1931	9.65	14.48	19.31	24.14	38.96	33.79	38.62	43.44	48.28	53.10	57.93	77.24	96.55
$2\frac{11}{16}$	.2588	12.94	19.41	25.88	32.35	38.82	45.29	51.76	58.23	64.70	71.17	77.64	103.5	129.4
$2\frac{11}{16}$	.3380	16.90	25.35	33.80	42.25	50.69	59.14	67.59	76.04	84.49	92.94	101.4	135.2	169.0
$3\frac{3}{16}$	.4318	21.59	32.39	43.18	53.98	64.77	75.57	86.36	97.16	108.0	118.7	129.5	172.7	215.9
$3\frac{7}{16}$	.5416	27.08	40.62	54.16	67.70	81.23	94.77	108.3	121.9	135.4	148.9	162.5	216.6	270.8
$3\frac{11}{16}$	.6685	33.43	50.13	66.85	83.56	100.3	117.0	133.7	150.4	167.1	183.8	200.5	267.4	334.3
$3\frac{15}{16}$	.8139	40.70	61.04	81.39	101.7	122.1	142.4	162.8	183.1	203.5	223.8	244.2	325.6	407.0
$4\frac{7}{16}$	1.165	58.25	87.38	116.5	145.6	174.8	203.9	233.0	262.1	291.3	320.4	349.5	466.0	
$4\frac{15}{16}$	1.605	80.24	120.4	160.5	200.6	240.7	280.8	321.0	361.0	401.2	441.3	481.4	641.9	
$5\frac{1}{2}$	2.218	110.9	166.4	221.8	277.3	332.7	388.2	443.7	499.1	554.6	610.0	665.5		
6	2.880	144.0	216.0	288.0	360.0	432.0	504.0	576.0	648.0	720.0	792.0	864.0		
$6\frac{1}{2}$	3.662	183.1	274.6	366.2	457.7	549.2	640.8	732.3	823.9	915.4	1007.			
7	4.573	228.7	343.0	457.3	571.7	686.0	800.3	914.7	1029.	1143.				
$7\frac{1}{2}$	5.620	281.3	421.9	562.5	703.1	843.8	884.4	1125.	1266.					
8	6.827	341.3	512.0	682.7	853.3	1024.	1195.	1365.						

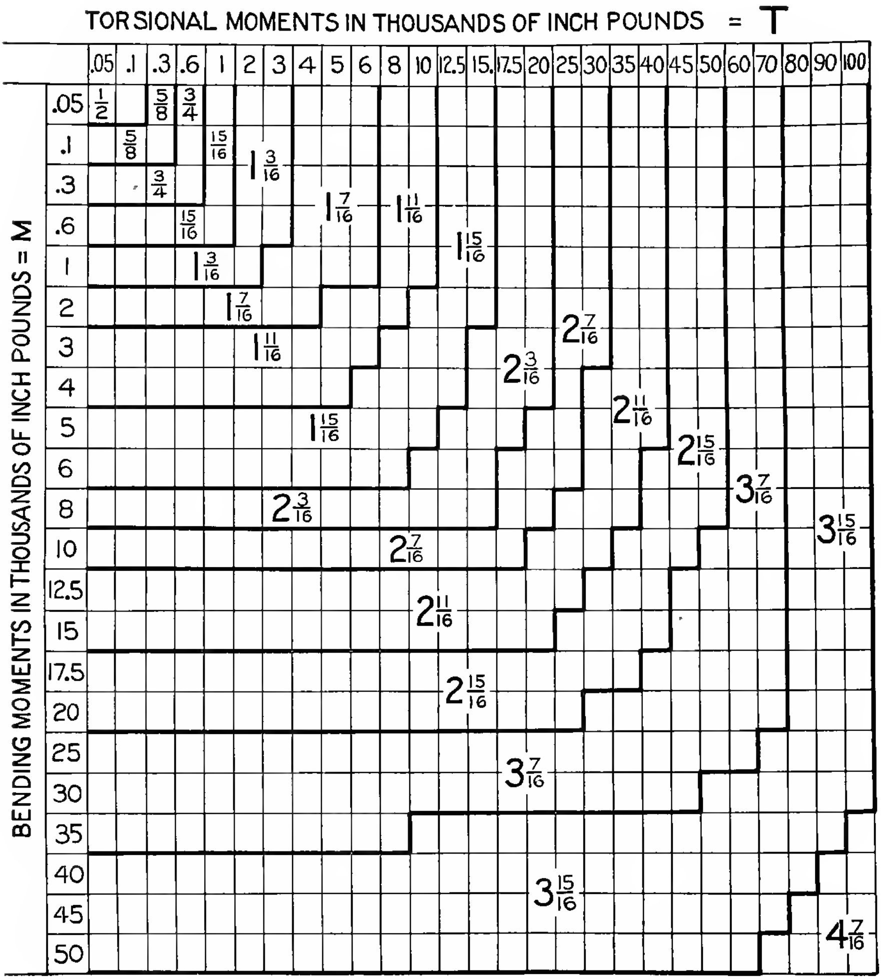
Horse Power of Shafts

For Simply Transmitting Power. $H.\ P. = \frac{D^3 R}{50}$

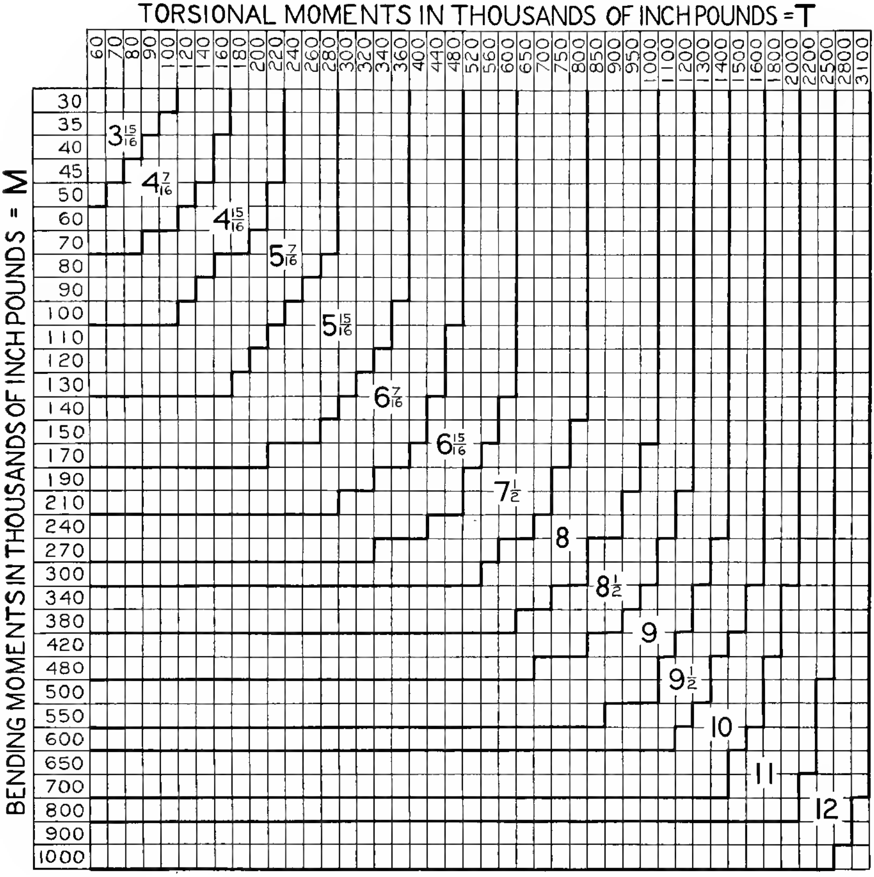
Diam. of Shaft, Ins.	REVOLUTIONS PER MINUTE													
	1	50	75	100	125	150	175	200	225	250	275	300	400	500
$1\frac{3}{16}$	.0335	1.67	2.51	3.35	4.19	5.02	5.86	6.70	7.53	8.37	9.21	10.05	13.40	16.74
$1\frac{7}{16}$	.0594	2.97	4.46	5.94	7.43	8.91	10.40	11.88	13.37	14.85	16.34	17.82	23.76	29.70
$1\frac{11}{16}$	.0961	4.81	7.21	9.61	12.01	14.42	16.82	19.22	21.62	24.03	26.43	28.83	38.44	48.05
$1\frac{11}{16}$	.1455	7.27	10.91	14.55	18.18	21.82	25.46	29.09	32.73	36.37	40.00	43.64	58.18	72.73
$2\frac{3}{16}$	.2094	10.47	15.70	20.94	26.17	31.40	36.64	41.87	47.10	52.34	57.56	62.80	83.74	104.7
$2\frac{7}{16}$	.2896	14.48	21.72	28.96	36.21	43.45	50.69	67.93	65.17	72.41	79.65	86.89	115.9	144.8
$2\frac{11}{16}$	.3882	19.41	29.12	38.82	48.53	58.23	67.94	77.64	87.35	97.05	106.8	116.5	155.3	194.1
$2\frac{11}{16}$	5069	25.35	38.02	50.69	63.37	76.04	88.71	101.4	114.1	126.7	139.4	152.1	202.8	253.5
$3\frac{3}{16}$	.6477	32.39	48.58	64.77	80.96	97.15	113.3	129.5	145.7	161.9	178.1	194.3	259.1	323.9
$3\frac{7}{16}$	.8124	40.62	60.93	81.24	101.5	121.9	142.2	162.5	182.8	203.1	223.4	243.7	324.9	406.2
$3\frac{11}{16}$	1.003	50.14	75.21	100.3	125.4	150.4	175.5	200.6	225.6	250.7	275.8	300.8	401.1	501.4
$3\frac{15}{16}$	1.221	61.04	91.56	122.1	152.6	183.1	213.6	244.2	274.7	305.2	335.7	366.2	488.3	610.4
$4\frac{7}{16}$	1.748	87.38	131.1	174.8	218.5	262.1	305.8	349.5	393.2	436.9	480.6	524.3	699.0	
$4\frac{15}{16}$	2.407	120.4	180.5	240.7	300.9	361.1	421.3	481.5	541.6	601.8	662.0	722.5	962.9	
$5\frac{1}{2}$	3.328	166.4	249.6	332.8	415.9	499.1	582.3	665.5	748.7	831.9	915.1	998.2		
6	4.320	216.0	324.0	432.0	540.0	648.0	756.0	864.0	972.0	1080.	1188.	1296.		
$6\frac{1}{2}$	5.493	247.6	412.0	549.3	686.6	823.9	961.2	1099.	1236.	1373.	1510.			
7	6.860	343.0	514.5	686.0	857.5	1029.	1201.	1372.	1544.	1715.				
$7\frac{1}{2}$	8.438	421.9	632.8	843.8	1055.	1266.	1477.	1688.	1898.					
8	10.24	512.0	768.0	1024.	1280.	1586.	1792.	2048.						

Shafts for Combined Torsion and Bending

S=Working Strain=11350 lbs. when $\frac{M}{T} = \frac{1}{4}$ or less.
S= " " = 8750 " " " = 2 or more.
S= " " is proportional for intermediate values of $\frac{M}{T}$
Tensile Strength assumed 62500 lbs.



Shafts for Combined Torsion and Bending—Continued



Example:—A conveyor has a 42-inch Head-Wheel spaced midway between Bearings 48 inches apart Center to Center. The chain pull is 5000 pounds. The Bending Moment is $\frac{5000}{2} \times \frac{48}{2} = 60{,}000$ inch pounds. The Torsional Moment is $5000 \times \frac{42}{2} = 105{,}000$ inch pounds. From the chart, the Shaft should be $4\frac{7}{16}$ inches Diameter.

Horse Power and Working Loads of Cut Cast Iron Gears

Under the heading W.L. we give the Working Load or number of pounds of power-transmitting strain which can safely be brought on each inch width of tooth of a cut cast iron gear or pinion of the size indicated at left of table, when it is running at the speed listed at top.

Under the heading H.P. this is converted into Horse Power transmitted at the speed named.

These figures should be multiplied by the width of working face in inches, for the power of the gear in question.

The feet per minute at pitch line equals pitch diameter in inches multiplied by revolutions per minute and by .2618.

Diametral Pitch	Arc Pitch	No. of Teeth	SPEED OF PITCH LINE—Ft. per minute											
			100		200		300		600		900		1200	
			W.L.	H.P.	W.L	H.P.	W.L	H.P.	W.L	H.P.	W.L	H.P.	W.L	H.P.
10	.3142	**12**	90	.27	79	.47	70	.63	53	.96	42	1.15	35	1.27
		20	120	.36	105	.63	94	.85	70	1.27	56	1.53	47	1.71
		40	145	.44	127	.76	113	1.02	85	1.55	68	1.86	56	2.04
		60	152	.46	133	.80	119	1.07	89	1.62	71	1.94	60	2.18
		130	160	.49	140	.84	124	1.12	94	1.71	74	2.02	62	2.26
8	.392	**12**	113	.34	98	.59	87	.78	66	1.20	52	1.42	44	1.60
		20	150	.45	130	.78	116	1.04	87	1.58	70	1.91	58	2.11
		40	180	.55	158	.95	141	1.27	105	1.91	84	2.29	70	2.54
		60	190	.58	165	.99	148	1.33	110	2.00	88	2.40	74	2.69
		130	200	.61	174	1.04	155	1.40	115	2.09	92	2.51	77	2.80
4	.785	**12**	225	.68	195	1.17	175	1.58	130	2.36	105	2.86	87	3.16
		20	300	.91	260	1.56	230	2.08	175	3.18	140	3.82	116	4.22
		40	360	1.09	315	1.89	280	2.52	210	3.82	170	4.64	140	5.09
		60	380	1.15	330	1.98	295	2.68	220	4.00	177	4.83	147	5.35
		130	400	1.21	350	2.10	310	2.79	230	4.18	185	5.05	155	5.64
3	1.047	**12**	300	.91	260	1.56	232	2.08	175	3.18	140	3.82	116	4.22
		20	400	1.21	350	2.10	310	2.79	232	4.22	185	5.05	155	5.64
		40	480	1.45	420	2.52	373	3.36	280	5.10	225	6.14	187	6.80
		60	503	1.52	440	2.64	391	3.52	295	5.37	235	6.42	196	7.13
		130	530	1.61	462	2.77	411	3.70	310	5.64	248	6.77	206	7.50
2	1.57	**12**	450	1.37	390	2.34	350	3.15	260	4.73	209	5.71	174	6.33
		20	600	1.82	520	3.12	467	4.20	350	6.37	280	7.64	232	8.44
		40	720	2.18	630	3.78	560	5.04	420	7.64	348	9.50	280	10.20
		60	760	2.30	663	3.98	592	5.33	442	8.05	355	9.70	295	10.72
		130	795	2.40	695	4.17	619	5.57	462	8.40	370	10.10	309	11.23
1 1/2	2.09	**12**	595	1.80	520	3.12	462	4.16	348	6.34	278	7.59	230	8.37
		20	800	2.42	700	4.20	620	5.58	466	8.47	372	10.15	310	11.28
		40	963	2.92	840	5.04	750	6.75	560	10.20	450	12.28	372	13.52
		60	1010	3.06	880	5.28	780	7.03	585	10.65	470	12.82	390	14.20
		130	1060	3.21	925	5.55	820	7.38	617	11.22	493	13.44	410	14.90

Horse Power and Working Loads of Cut Steel Gears

Under the heading W.L. we give the Working Load or number of pounds of power-transmitting strain which can safely be brought on each inch width of tooth of a cut steel gear or pinion of the size indicated at left of table, when it is running at the speed listed at top.

Under the heading H.P. this is converted into Horse Power transmitted at the speed named.

These figures should be multiplied by the width of working face in inches, for the power of the gear in question.

The feet per minute at pitch line equals pitch diameter in inches multiplied by revolutions per minute and by .2618.

Diametral Pitch	Arc Pitch	No. of Teeth	SPEED OF PITCH LINE (Ft. per minute).											
			100		200		300		600		900		1200	
			W.L.	H.P.	W.L	H.P.	W.L	H.P.	W.L	H.P.	W.L	H.P.	W.L	H.P.
10	.3142	12	216	.65	190	1.13	168	1.51	127	2.30	101	2.76	84	3.05
		20	288	.86	252	1.51	226	2.04	168	3.05	134	3.67	113	4.10
		40	348	1.06	305	1.82	272	2.45	204	3.72	163	4.46	134	4.90
		60	364	1.10	319	1.92	286	2.57	214	3.89	170	4.66	144	5.23
		130	384	1.17	336	2.02	298	2.69	226	4.10	178	4.85	149	5.42
8	.392	12	271	.82	235	1.42	209	1.87	158	2.88	125	3.41	106	3.84
		20	360	1.08	312	1.87	278	2.50	209	3.80	168	4.58	139	5.06
		40	432	1.32	379	2.28	338	3.05	252	4.59	202	5.49	168	6.10
		60	456	1.39	396	2.38	355	3.19	264	4.80	211	5.76	178	6.45
		130	480	1.46	417	2.50	372	3.36	276	5.02	221	6.02	185	6.72
4	.785	12	540	1.63	467	2.81	420	3.79	312	5.67	252	6.86	209	7.58
		20	720	2.18	624	3.74	552	5.00	420	7.65	336	9.17	278	10.11
		40	863	2.62	755	4.54	672	6.05	505	9.18	408	11.13	336	12.22
		60	912	2.76	792	4.75	708	6.44	529	9.61	425	11.60	353	12.83
		130	960	2.90	840	5.04	745	6.70	553	10.03	444	12.10	372	13.53
3	1.047	12	720	2.18	624	3.74	556	5.00	420	7.65	336	9.17	278	10.11
		20	960	2.90	840	5.04	745	6.70	558	10.13	444	12.10	372	13.53
		40	1150	3.48	1008	6.05	895	8.06	673	12.25	540	14.72	449	16.30
		60	1205	3.64	1058	6.33	938	8.45	709	12.90	564	15.40	470	17.10
		130	1270	3.86	1110	6.65	987	8.87	745	13.55	595	16.23	494	18.00
2	1.57	12	1080	3.28	935	5.62	840	7.56	625	11.35	502	13.70	418	15.20
		20	1440	4.37	1250	7.48	1120	10.10	840	15.30	672	18.32	556	20.25
		40	1727	5.23	1512	9.07	1343	12.10	1008	18.35	835	22.80	672	24.45
		60	1820	5.52	1590	9.55	1420	12.80	1060	19.33	852	23.25	708	25.70
		130	1908	5.76	1670	10.00	1487	13.38	1110	20.20	888	24.20	741	26.95
1½	2.09	12	1427	4.32	1250	7.48	1110	10.00	836	15.20	667	18.20	552	20.10
		20	1920	5.80	1680	10.08	1488	13.40	1120	20.33	893	24.35	744	27.05
		40	2310	7.00	2015	12.10	1800	16.20	1345	24.50	1080	29.45	893	32.43
		60	2420	7.35	2112	12.68	1873	16.88	1403	25.60	1128	30.77	936	34.05
		130	2540	7.70	2220	13.33	1970	17.70	1483	26.95	1183	32.25	985	35.75

Horse-Power Transmitted by Belts

Pulley running at 100 R. P. M.

Diameter of Pulley	WIDTH OF BELTS																	
	2"	3"	4"	5"		6"		8"		10"		12"	14"	16"	18"	20"	22"	24"
	S	S	S	S	D	S	D	S	D	S	D	D	D	D	D	D	D	D
	4-Ply	4-Ply	4-Ply	4-Ply	6-P	4-P	6-P	4-P	6-Ply	4-P	6-Ply	6-Ply	8-Ply	8-Ply	8-Ply	8-Ply	8-Ply	8-Ply
6	.29	.43	.57	.71	1.3													
7	.33	.50	.67	.83	1.5	1.0	1.8											
8	.38	.57	.76	.95	1.7	1.1	2.1											
9	.43	.64	.86	1.1	2.0	1.3	2.4	1.9	3.8									
10	.48	.71	.95	1.2	2.2	1.4	2.6	2.1	4.2									
11	.52	.79	1.0	1.3	2.4	1.6	2.9	2.3	4.6	2.9	5.8							
12	.57	.86	1.1	1.4	2.6	1.7	3.1	2.5	5.0	3.1	6.3							
13	.62	.93	1.2	1.5	2.8	1.9	3.4	2.7	5.4	3.4	6.8	10.2						
14	.67	1.0	1.3	1.7	3.1	2.0	3.7	2.9	5.9	3.7	7.3	11.0						
15	.71	1.1	1.4	1.8	3.3	2.1	3.9	3.1	6.3	3.9	7.9	11.8	13.8					
16	.76	1.1	1.5	1.9	3.5	2.3	4.2	3.4	6.7	4.2	8.4	12.6	14.7					
17	.81	1.2	1.6	2.0	3.7	2.4	4.5	3.6	7.1	4.5	8.9	13.4	15.6	17.8				
18	.86	1.3	1.7	2.1	3.9	2.6	4.7	3.8	7.5	4.7	9.4	14.1	16.5	18.8				
19	.90	1.4	1.8	2.3	4.1	2.7	5.0	4.0	8.0	5.0	9.9	14.9	17.4	19.9	22.4			
20	.95	1.4	1.9	2.4	4.4	2.9	5.2	4.2	8.4	5.2	10.5	15.7	18.3	21.0	23.6			
21	1.0	1.5	2.0	2.5	4.6	3.0	5.5	4.4	8.8	5.5	11.0	16.5	19.3	22.0	24.8	27.5		
22	1.0	1.6	2.1	2.6	4.8	3.1	5.8	4.6	9.2	5.8	11.5	17.3	20.2	23.0	25.9	28.8		
23	1.1	1.6	2.2	2.7	5.0	3.3	6.0	4.8	9.6	6.0	12.0	18.1	21.1	24.1	27.1	30.1	33.1	
24	1.1	1.7	2.3	2.9	5.2	3.4	6.3	5.0	10.0	6.3	12.6	18.8	22.0	25.1	28.3	31.4	34.5	
25	1.2	1.8	2.4	3.0	5.5	3.6	6.6	5.2	10.5	6.6	13.1	19.7	22.9	26.2	29.5	32.8	36.0	39.3
26	1.2	1.9	2.5	3.1	5.7	3.7	6.8	5.4	10.9	6.8	13.6	20.4	23.8	27.2	30.6	34.1	37.5	40.9
27	1.3	1.9	2.6	3.2	5.9	3.9	7.1	5.7	11.3	7.1	14.1	21.2	24.7	28.3	31.8	35.4	38.9	42.4
28	1.3	2.0	2.7	3.3	6.1	4.0	7.3	5.9	11.7	7.3	14.7	22.0	25.7	29.3	33.0	36.7	40.3	44.0
29	1.4	2.1	2.8	3.5	6.3	4.1	7.6	6.1	12.1	7.6	15.2	22.8	26.6	30.4	34.2	38.0	41.7	45.5
30	1.4	2.1	2.9	3.6	6.5	4.3	7.9	6.3	12.6	7.9	15.7	23.6	27.5	31.4	35.3	39.3	43.2	47.1
31	1.5	2.2	3.0	3.7	6.8	4.4	8.1	6.5	13.0	8.1	16.2	24.4	28.4	32.5	36.5	40.6	44.7	48.7
32	1.5	2.3	3.0	3.8	7.0	4.6	8.4	6.7	13.4	8.4	16.8	25.1	29.3	33.5	37.7	41.9	46.1	50.3
33	1.6	2.4	3.1	3.9	7.2	4.7	8.6	6.9	13.8	8.6	17.3	25.9	30.2	34.6	38.9	43.2	47.5	51.8
34	1.6	2.4	3.2	4.0	7.4	4.9	8.9	7.1	14.2	8.9	17.8	26.7	31.2	35.6	40.1	44.5	49.0	53.4
35	1.7	2.5	3.3	4.2	7.6	5.0	9.2	7.3	14.7	9.2	18.3	27.5	32.1	36.6	41.2	45.8	50.4	55.0
36	1.7	2.6	3.4	4.3	7.9	5.1	9.4	7.5	15.1	9.4	18.8	28.3	33.0	37.7	42.4	47.1	51.8	56.5

A rim speed of 5280 feet per minute is the limit of safety of cast-iron pulleys as ordinarily con tructed. A belt speed of 3,500 F. P. M. gives good results.

S & D in above table refers to thickness of leather belting.

4-Ply, 6-Ply and 8-Ply refers to thickness of cotton or rubber belting.

5-in. and 6-in. belts should be single leather, if possible.

Whenever possible use pulleys below zigzag line.

Horse-Power Transmitted by Belts

Pulley Running at 100 R. P. M.

Diam. of Pulley	WIDTH OF BELTS															
	4"	5"		6"		8"		10"		2"	14"	16"	18"	20"	22"	24"
	S	S	D	S	D	S	D	S	D	D	D	D	D	D	D	D
	4-Ply	4-P.	6-Ply	4-Ply	6-Ply	4-Ply	6-Ply	4-Ply	6-Ply	6-Ply	8-Ply	8-Ply	8-Ply	8-Ply	8-Ply	8-Ply
38	3.6	4.5	8.3	5.4	10.0	8.0	15.9	10.0	19.9	29.9	34.8	39.8	44.8	49.8	54.7	59.7
40	3.8	4.8	8.7	5.7	10.5	8.4	16.8	10.5	20.9	31.4	36.6	41.9	47.1	52.4	57.6	62.8
42	4.0	5.0	9.2	6.0	11.0	8.8	17.6	11.0	22.0	33.0	38.5	44.0	49.5	55.0	60.5	66.0
44	4.2	5.2	9.6	6.3	11.5	9.2	18.4	11.5	23.0	34.6	40.3	46.1	51.8	57.6	63.4	69.1
46	4.4	5.5	10.0	6.6	12.0	9.6	19.3	12.0	24.1	36.1	42.1	48.2	54.2	60.2	66.2	72.2
48	4.6	5.7	10.5	6.9	12.6	10.1	20.1	12.6	25.1	37.7	44.0	50.3	56.6	62.9	69.1	75.4
50		6.0	10.9	7.1	13.1	10.5	20.9	13.1	26.2	39.3	45.8	52.4	58.9	65.5	72.0	78.5
52		6.2	11.3	7.4	13.6	10.9	21.8	13.6	27.2	40.8	47.6	54.4	61.2	68.1	74.9	81.7
54		6.4	11.8	7.7	14.1	11.3	22.6	14.1	28.3	42.4	49.5	56.6	63.6	70.7	77.8	84.8
56		6.7	12.2	8.0	14.7	11.7	23.5	14.7	29.3	44.0	51.3	58.6	66.0	73.3	80.6	88.0
58		6.9	12.7	8.3	15.2	12.1	24.3	15.2	30.4	45.5	53.1	60.7	68.3	75.9	83.5	91.1
60		7.1	13.1	8.6	15.7	12.6	25.1	15.7	31.0	47.1	55.0	62.8	70.7	78.6	86.4	94.3
62				8.9	16.2	13.0	26.0	16.2	32.5	48.7	56.8	64.9	73.0	81.2	89.3	97.4
64				9.1	16.8	13.4	26.8	16.8	33.5	50.3	58.7	67.0	75.4	83.8	92.2	100.6
66				9.4	17.3	13.8	27.6	17.3	34.6	51.8	60.5	69.1	77.8	86.4	95.0	103.7
68				9.7	17.8	14.2	28.5	17.8	35.6	53.4	62.3	71.2	80.1	89.0	97.9	106.8
70				10.0	18.3	14.7	29.3	18.3	36.7	55.0	64.2	73.3	82.5	91.7	100.8	110.0
72				10.3	18.9	15.1	30.2	18.9	37.7	56.6	66.0	75.4	84.8	94.3	103.7	113.1
74						15.5	31.0	19.4	38.7	58.1	67.8	77.5	87.2	96.9	106.5	116.2
76						15.9	31.8	19.9	39.8	59.7	69.6	79.6	89.6	99.5	109.5	119.4
78						16.3	32.7	20.4	40.8	61.3	71.5	81.7	91.9	102.1	112.3	122.5
80						16.8	33.5	20.9	41.9	62.8	73.3	83.8	94.2	104.7	115.2	125.6
82						17.2	34.4	21.5	42.9	64.4	75.1	85.9	96.6	107.4	118.1	128.8
84						17.6	35.2	22.0	44.0	66.0	77.0	88.0	99.0	110.0	121.0	131.9
86						18.0	36.0	22.5	45.0	67.5	78.8	90.0	101.3	112.6	123.8	135.1
88						18.4	36.9	23.0	46.1	69.1	80.6	92.2	103.7	115.2	126.7	138.2
90						18.8	37.7	23.6	47.1	70.7	82.5	94.2	106.0	117.8	129.6	141.4
92						19.3	38.5	24.1	48.2	72.3	84.3	96.4	108.4	120.5	132.5	144.5
94						19.7	39.4	24.6	49.2	73.8	86.2	98.4	110.7	123.1	135.4	147.7
96						20.1	40.2	25.1	50.3	75.4	88.0	100.5	113.1	125.7	138.2	150.8
98								25.7	51.3	77.0	89.8	102.6	115.5	128.3	141.1	154.0

H = Horse-Power
S^1 = Speed in feet per minute
W = Width of belt in inches

Single Belts, 2"—6" wide, $H = \frac{S^1 \mathrm{x} W}{1100}$

Single Belts, 6½"—10" wide, $H = \frac{S^1 \mathrm{x} W}{1000}$

Double Belts, 2"—6" wide, $H = \frac{S^1 \mathrm{x} W}{600}$

Double Belts, 6½"—10" wide, $H = \frac{S^1 \mathrm{x} W}{500}$

Double Belts, 11"—72" wide, $H = \frac{S^1 \mathrm{x} W}{400}$

Horse Power of Manila Ropes

The Diameter of all Working-Sheaves should be at least 40 times that of the Rope.

Idlers may be 30 times the Diameter of the Rope.

Dia. of Rope	Weight per Foot	Breaking Strain	Working Strain	1000 ft.p.m.		1500 ft.p.m.		2000 ft.p.m.		2500 ft.p.m.		3000 ft.p.m.		3500 ft.p.m.		4000 ft.p.m.		4500 ft.p.m.		5000 ft.p.m.	
				H.P.	Tension Weight	H.P.	Tension Weight	H.P.	Tension Weight	H.P.	Tension Weight	H.P.	Tension Weight	H.P.	Tension Weight	H.P.	Tension Weight	H.P.	Tension Weight	H.P.	Tension Weight
⅝"	0.15	4000	121	2.25	90	3.38	90	4.50	90	5.37	85	6.25	80	6.88	80	7.50	80	8.00	75	8.50	70
¾"	0.18	5000	151	2.75	110	4.13	110	5.50	110	6.62	105	7.75	100	8.75	100	9.75	100	10.25	95	10.75	90
⅞"	0.27	7500	227	4.25	170	6.25	170	8.25	170	10.00	165	11.75	160	13.13	155	14.50	150	15.25	140	16.00	130
1 "	0.33	9000	272	5.00	200	7.50	200	10.00	200	12.00	190	14.00	180	15.62	175	17.25	170	18.12	160	19.00	150
1⅛"	0.45	12250	371	7.00	280	10.25	275	13.50	270	16.25	260	19.00	250	21.25	240	23.50	230	24.75	220	26.00	210
1¼"	0.50	14000	424	8.00	320	11.75	315	15.50	310	18.75	300	22.00	290	24.50	280	27.00	270	28.25	255	29.50	240
1⅜"	0.65	18062	547	10.25	410	15.13	405	20.00	400	24.12	385	28.25	370	31.50	360	34.75	350	36.62	330	38.50	310
1½"	0.73	20250	613	11.50	460	16.75	450	22.00	440	26.75	430	31.50	420	35.25	405	39.00	390	41.25	370	43.50	350
1⅝"	0.82	25000	760	14.25	570	21.00	560	27.75	550	33.62	535	39.50	520	44.25	505	49.00	490	52.25	470	55.50	450
1¾"	1.08	30250	916	17.00	680	25.25	670	33.50	660	40.38	645	47.25	630	52.75	605	58.25	580	61.50	550	64.75	520
2 "	1.27	36000	1000	20.50	810	30.25	800	40.00	790	48.25	765	56.50	740	62.87	705	69.25	670	73.37	645	77.50	620

Finished Steel Roller Chains

3030

Finished Steel Roller Chains on accurately cut sprocket wheels, although not so quiet and smooth in their action as silent chain, produce durable and thoroughly satisfactory drives where the chain speed is less than 600 feet per minute; and the first cost is considerably lower than that of silent chain. Prices quoted on request. Use our standard data form, and specify Finished Steel Roller Chain.

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